



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

### TIDEWATER REGIONAL OFFICE

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Secretary of Natural Resources

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David K. Paylor  
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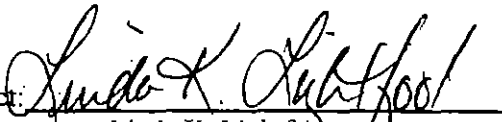
Francis L. Daniel  
Regional Director

## STATEMENT OF LEGAL AND FACTUAL BASIS

U.S. Navy, Naval Station Norfolk  
Norfolk, Virginia  
Permit No. **TRO60941**

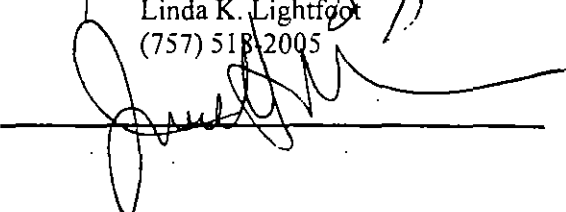
Title V of the 1990 Clean Air Act Amendments required each state to develop a permit program to ensure that certain facilities have federal Air Pollution Operating Permits, called Title V Operating Permits. As required by 40 CFR Part 70 and 9 VAC 5 Chapter 80, Naval Station Norfolk has applied for a Title V Operating Permit for its Norfolk, Virginia, facility. The Department has reviewed the application and has prepared a draft Title V Operating Permit.

Engineer/Permit Contact:

  
Linda K. Lightfoot  
(757) 518-2005

Date: March 24, 2009

Air Permit Manager:



Date: March 24, 2009

Regional Director:



Date: March 24, 2009

Attachments: NSR permits dated August 2, 1985, December 8, 1999, October 10, 2002, February 5, 2003, June 13, 2003, July 12, 2005, and June 25, 2007

## **FACILITY INFORMATION**

### Permittee

U.S. Department of the Navy

### Responsible Official

Sean S. Heaney

Director, Technical Support Department

Commander Navy Region Mid-Atlantic

### Facility

Naval Station Norfolk

Sewell's Point

Norfolk, Virginia

### Contact Person

Leal Boyd

Air Program Manager

(757) 445-6636

County-Plant Identification Number: 51-710-00194

### **Facility Description:** NAICS 928110 - National Security

The facility is the public works/operations, supply and maintenance department at the home port of the Navy's Atlantic Fleet. No products are manufactured at the facility. There is not one distinct, overriding "process" conducted at this facility. Instead, various activities and operations are conducted primarily to support the ships and aircraft of the Navy Atlantic Fleet. Processes include, but are not limited to: external combustion units (boilers for steam heat and industrial use); internal combustion engines (diesel emergency generators); surface coating operations for maintenance of marine vessels, aircraft, and facilities; abrasive blasting related to marine vessels and aircraft maintenance; and woodworking shops for facility maintenance, packing, and shipping.

The facility is a Title V major source of CO, PM, PM10, SO2, NOx, VOC, and HAPs. This source is located in an attainment area for all pollutants, and is a PSD-sized source. The facility is not permitted under a PSD permit. The facility is currently permitted under Minor NSR Permits issued on August 2, 1985, December 8, 1999, October 10, 2002, February 5, 2003, June 13, 2003, June 25, 2007, and January 5, 2009. Copies of the permits are attached for reference.

## **COMPLIANCE STATUS**

A full compliance evaluation of this facility, including a site visit, has been conducted. In addition, all reports and other data required by permit conditions or regulations, which are submitted to DEQ, are evaluated for compliance. Based on these compliance evaluations, the facility has not been found to be in violation of any state or federal applicable requirements at this time.

## EMISSION UNIT AND CONTROL DEVICE IDENTIFICATION

The significant emissions units at this facility consist of the following:

### Boilers

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutants Controlled	Applicable Permit Date
BOIL-NH202		Nebraska N2S-4A-72 (inst 9/85)	95 mmBtu/hr				June 25, 2007
BOIL-P1-55		Riley P819S (installed 1939)	82 mmBtu/hr	Multicyclone	CDBOIL-P1-55	PM, PM10	June 25, 2007
BOIL-P1-56		Riley P819W (installed 1941)	82 mmBtu/hr	Multicyclone	CDBOIL-P1-56	PM, PM10	June 25, 2007
BOIL-P1-57		Riley P819W (installed 1941)	82 mmBtu/hr	Multicyclone	CDBOIL-P1-57	PM, PM10	June 25, 2007
BOIL-P1-58		Riley NB 2642 (installed 1975)	235 mmBtu/hr				June 25, 2007
BOIL-P1-59		Combustion Engineering CE3731 (installed 1941)	125 mmBtu/hr	Multicyclone	CDBOIL-P1-59	PM, PM10	June 25, 2007
BOIL-P1-60		Combustion Engineering CE6733 (installed 1941)	125 mmBtu/hr	Multicyclone	CDBOIL-P1-60	PM, PM10	June 25, 2007
BOIL-P1-61		Combustion Engineering CE3736 (installed 1941)	125 mmBtu/hr	Multicyclone	CDBOIL-P1-61	PM, PM10	June 25, 2007
BOIL-P1-62		Combustion Engineering CE2848 (installed 1944)	125 mmBtu/hr	Multicyclone	CDBOIL-P1-62	PM, PM10	June 25, 2007
BOIL-SP85-1		Riley-Stoker 9352038 (installed 1942)	95 mmBtu/hr	Multicyclone	CDBOIL-SP85-1	PM, PM10	June 25, 2007
BOIL-SP85-2		Riley, Model Number Unknown (installed 1942)	95 mmBtu/hr	Multicyclone	CDBOIL-SP85-2	PM, PM10	June 25, 2007
BOIL-Z312-25		Mitsui MB200 type D (installed 7/1995)	205.8 mmBtu/hr (natural gas)	Multicyclone	CDBOIL-Z312-25	PM, PM10	June 25, 2007
			196.5 mmBtu/hr (No. 2 fuel)				
BOIL-Z312-26		Mitsui MB200 type D (installed 7/1995)	205.8 mmBtu/hr (natural gas)	Multicyclone	CDBOIL-Z312-26	PM, PM10	June 25, 2007
			196.5 mmBtu/hr (No. 2 fuel)				
BOIL-Z312-27		Mitsui, MB200 type D (installed 7/1995)	205.8 mmBtu/hr (natural gas)	Multicyclone	CDBOIL-Z312-27	PM, PM10	June 25, 2007
			196.5 mmBtu/hr (No. 2 fuel)				

**Generators**

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutants Controlled	Applicable Permit Date
ICGF-CEP151		Perkins 5PKXL04.4RE1; No. 2 fuel (NSPS IIII and/or MACT ZZZZ)	0.6 mmBtu/hr 54 kW				
ICGF-CEP156		Caterpillar 3512; No. 2 fuel	10.5 mmBtu/hr; 1,000 kW				
ICGF-CEP209		Caterpillar CD125; No. 2 fuel	1.3 mmBtu/hr; 125 kW				December 8, 1999
ICGF-M51-1		Caterpillar 3508; No. 2 fuel	8.4 mmBtu/hr; 800 kW				
ICGF-M51-2		Caterpillar 3508; No. 2 fuel	8.4 mmBtu/hr; 800 kW				
ICGF-M51-3		Caterpillar 3512; No. 2 fuel	8.4 mmBtu/hr; 800 kW				
ICGF-M51-GBS		Cummins NTA-855-G5; No. 2 fuel (NSPS IIII and/or MACT ZZZZ)	4.7 mmBtu/hr; 451 kW				
ICGF-M113		Caterpillar 3508; No. 2 fuel	8.4 mmBtu/hr; 800 kW				
ICFG-NH139		Caterpillar 3412; No. 2 fuel	7 mmBtu/hr; 664 kW				
ICGF-NH94-1		EMD 20-645-E4B; No. 2 fuel	21.1 mmBtu/hr; 2,000 kW				June 13, 2003
ICGF-NH94-2		EMD 12-645-E1; No. 2 fuel	10.5 mmBtu/hr; 1,000 kW				June 13, 2003
ICGF-NH94-3		Alco/Kato 251E1608; No. 2 fuel	21.1 mmBtu/hr; 2,000 kW				June 13, 2003
ICGF-NH94-4		Caterpillar 3608; No. 2 fuel	21.1 mmBtu/hr; 2,000 kW				June 13, 2003
ICGF-P1-1		Caterpillar 3516TA; No. 2 fuel (installed 1993)	16.1 mmBtu/hr; 1,600 kW				June 25, 2007
ICGF-P1-3		Caterpillar 3516TA; No. 2 fuel (installed 1993)	16.1 mmBtu/hr; 1,600 kW				June 25, 2007
ICGF-V53		Unknown; No. 2 fuel	6.8 mmBtu/hr; 650 kW				
ICGF-V117		Perkins 3054; No. 2 fuel (NSPS IIII and/or MACT ZZZZ)	0.6 mmBtu/hr 54 kW				
ICGF-W6A		Unknown; No. 2 fuel	8.1 mmBtu/hr;				

			775 kW				
ICGF-W143-1		Caterpillar 3512; No. 2 fuel	8.4 mmBtu/hr; 795 kW				
<b>Emission Unit ID</b>	<b>Stack ID</b>	<b>Emission Unit Description</b>	<b>Size/Rated Capacity*</b>	<b>Pollution Control Device (PCD) Description</b>	<b>PCD ID</b>	<b>Pollutants Controlled</b>	<b>Applicable Permit Date</b>
ICGF-W143-2		Caterpillar 3512; No. 2 fuel	8.4 mmBtu/hr; 795 kW				
ICGF-W143-R1		Caterpillar 3512; No. 2 fuel (installed 5/2002)	13.1 mmBtu/hr; 1,250 kW				October 10, 2002
ICGF-W143-R2		Caterpillar 3512; No. 2 fuel (installed 5/2002)	13.1 mmBtu/hr; 1,250 kW				October 10, 2002
ICGF-W143-R3		Caterpillar 3512; No. 2 fuel (installed 5/2002)	13.1 mmBtu/hr; 1,250 kW				October 10, 2002
ICGF-W143-R4		Caterpillar 3512; No. 2 fuel (installed 5/2002)	13.1 mmBtu/hr; 1,250 kW				October 10, 2002
ICGF-W150A		Perkins 5PKXL04.4RE1; No. 2 fuel (NSPS IIII and/or MACT ZZZZ)	0.6 mmBtu/hr 54 kW				
ICGF-Z312-D		Caterpillar 3516TA; No. 2 fuel (installed 7/1995)	15.8 mmBtu/hr; 1,500 kW				June 25, 2007
ICGF-Z312-NG		NG fired (NSPS IIII and/or MACT ZZZZ)	0.16 mmBtu/hr 15 kW				

**Coating Operations**

<b>Emission Unit ID</b>	<b>Stack ID</b>	<b>Emission Unit Description</b>	<b>Size/Rated Capacity*</b>	<b>Pollution Control Device (PCD) Description</b>	<b>PCD ID</b>	<b>Pollutants Controlled</b>	<b>Applicable Permit Date</b>
PNT0-A81		Sign shop – silk screen, hand and spray application					
PNT0-PIERS-DIVE		Pierside small boat touchup painting – hand application (Dive Shop)					
PNT0-CEP165A		Pierside small boat touchup painting – hand application (Port Ops)					
PNTS-CEP209		Paint booth, boat parts – HVLP spray gun, aerosol, hand application	1,645 gal/year coating	Dry filter		PM, PM10	December 8, 1999
PNT0-HM14-AERO		Open hanger aircraft touchup – HVLP, aerosol, hand application					
PNT0-HM14-SHIP		Outdoor small boat touchup painting – hand application					
PNT0-HSC2		Open hanger aircraft touchup –					

		HVLP, aerosol, hand application					
PNT0-HSC22		Open hanger aircraft touchup- HVLP, aerosol, hand application					
PNT0-HSC26		Open hanger aircraft touchup- HVLP, aerosol, hand application					

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutants Controlled	Applicable Permit Date
PNT0-HSC28		Open hanger aircraft touchup- HVLP, aerosol, hand application					
PNT0-HSC84		Open hanger aircraft touchup- HVLP, aerosol, hand application					
PNTS-LP167		Paint booth, aircraft parts – HVLP spray gun, aerosol, hand application		Fabric filter		PM, PM10	
PNT0-LP167		Open hanger aircraft touchup- HVLP, aerosol, hand application					
PNT0-MAG42		Open hanger aircraft touchup- HVLP, aerosol, hand application					
PNTS-NM110		Paint booth, mobile facilities – Spray gun, aerosol, hand application					
PNT0-NM110		Outdoor mobile facilities undercoat- aerosol, hand application					
PNT0-PIER-NVY		Pierside ship painting, ships forces – hand application					
PNT0-PIER-KTR		Pierside ship painting, contractor – spray gun and hand application					
PNT0-PIER- TUG		Pierside tugboat touchup painting, Moran tugs – hand application					
PNT0-Q50		Pierside small boat touchup, oil recovery ops – hand application					
PNT0-Q72		Outdoor vessel painting, barge repair – spray gun, hand application					
PNTS-SP300-400		Paint booth, aircraft propellers – hand application (installed 1/2005)	8 gal/year coating	Fabric filter		PM, PM10	February 5, 2003
PNTS-SP300-500		Paint booth, aircraft parts – HVLP spray gun, aerosol, hand application	100 gal/year coating	Fabric filter		PM, PM10	February 5, 2003
PNTS-SP300-600		Paint hood, aircraft electronic		Fabric filter		PM, PM10	

		assemblies – aerosol and hand application					
PNTS-SP356		Paint booth, ground support equipment – HVLP spray gun, aerosol, and hand application		Fabric filter		PM, PM10	
PNTS-SP383-1 and 2		Paint hoods (installed 1997), aircraft panels/corrosion school- HVLP spray, aerosol, and hand application		Fabric filter		PM, PM10	
Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutants Controlled	Applicable Permit Date
PNTS-SPRUCE		Pierside submarine touchup painting – hand application					
PNTS-V146		Paint booth, helicopter – HVLP spray application (installed 12/2006)	972 gal/year coating	HEPA filter		PM, PM10	January 5, 2009
PNTS-V147		Open hanger aircraft touchup – HVLP, aerosol, hand application					
PNTS-V88		Open hanger small boat touchup – aerosol and hand application					
PNTS-VAW120		Open hanger aircraft touchup – HVLP, aerosol, hand application					
PNTS-VAW121		Open hanger aircraft touchup – HVLP, aerosol, hand application					
PNTS-VAW123		Open hanger aircraft touchup – HVLP, aerosol, hand application					
PNTS-VAW124		Open hanger aircraft touchup – HVLP, aerosol, hand application					
PNTS-VAW125		Open hanger aircraft touchup – HVLP, aerosol, hand application					
PNTS-VAW126		Open hanger aircraft touchup – HVLP, aerosol, hand application					
PNTS-VRC40		Open hanger aircraft touchup – HVLP, aerosol, hand application					
PNTS-X137		Paint booth, currently inactive					

## Miscellaneous Operations

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated	Pollution Control Device	PCD ID	Pollutants	Applicable Permit
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			Capacity*	(PCD) Description		Controlled	Date
MISC-CEP209-1 & MISC-CEP209-2		Fiberglass sanding & sawing (installed 5/2000)	2,105 pound materials/year (fiberglass resin, hardener, and mesh	Fabric filters	CDMISC- CEP209-100 and 101	PM, PM10	December 8, 1999
ENGT-SP313		Aircraft engine test cells					
ABRA-109		Helicopter blast booth	500 lbs/hr	HEPA filter		PM, PM10	January 5, 2009
ABRA-SP356		Drive-in blast booth (installed 1/1987)	312 tons/year blast media	Cyclone and Baghouse	CDABRA- SP356A and B	PM, PM10	August 2, 1985
DEGS-GRP1		Degreasing and parts cleaning					

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutants Controlled	Applicable Permit Date
GSTA-GRP1		Commercial gasoline service stations		Stage 1 Vapor Recovery		VOC, HAPS	
WOOD-GRP1		Woodshops with outside vent		Cyclones and/or Baghouses		PM, PM10	
WOOD-PNT1		Wood NESHAP sources – hand application	<=1,200 gal/year				

\*The Size/Rated capacity and PCD efficiency is provided for informational purposes only, and is not an applicable requirement.

The source has developed a new numbering system for the emissions units at the facility. The following tables provide a cross-reference of old emission unit identification numbers with new emission unit identification numbers.

**Significant units and/or units with applicable requirements**

OLD UNIT ID	NEW UNIT ID
ABRA-020 (SP-356)	ABRA-SP356
BOIL-006 (NH-202)	BOIL-NH202
BOIL-031 (P-1-55)	BOIL-P1-55
BOIL-032 (P-1-56)	BOIL-P1-56
BOIL-033 (P-1-57)	BOIL-P1-57
BOIL-034 (P-1-58)	BOIL-P1-58
BOIL-027 (P-1-59)	BOIL-P1-59



BOIL-028 (P-1-60)	BOIL-P1-60
BOIL-029 (P-1-61)	BOIL-P1-61
BOIL-030 (P-1-62)	BOIL-P1-62
BOIL-042 (SP-85-1)	BOIL-SP85-1
BOIL-043 (SP-85-2)	BOIL-SP85-2
BOIL-044 (Z-312-25)	BOIL-Z312-25
BOIL-045 (Z-312-26)	BOIL-Z312-26
BOIL-046 (Z-312-27)	BOIL-Z312-27
ENGT-GRP1 (SP-313)	ENGT-SP313
ICGF-246 (CEP-151)	ICGF-CEP151
ICGF-049 (CEP-156)	ICGF-CEP156
ICGF-236 (CEP-209)	ICGF-CEP209
ICGF-262 (M-113)	ICGF-M113
ICGF-213 (M-51-1)	ICGF-M51-1
ICGF-212 (M-51-2)	ICGF-M51-2
ICGF-075 (M-51-3)	ICGF-M51-3
ICGF-254 (M-51-GBS)	ICGF-M51-GBS
ICGF-081 (NH-139)	ICGF-NH139-1
ICGF-095 (NH-94-1)	ICGF-NH94-1
ICGF-097 (NH-94-2)	ICGF-NH94-2
ICGF-096 (NH-94-3)	ICGF-NH94-3
ICGF-094 (NH-94-4)	ICGF-NH94-4
ICGF-106 (P-1-1)	ICGF-P1-1
ICGF-107 (P-1-3)	ICGF-P1-3
ICGF-245 (V-53)	ICGF-V53-1
ICGF-277 (V-117)	ICGF-V117
ICGF-257 (W-6A)	ICGF-W6A-1
ICGF-142 (W-143)	ICGF-W143-1
ICGF-143 (W-143)	ICGF-W143-2
ICGF-240 (W-143-1)	ICGF-W143-R1
ICGF-241 (W-143-2)	ICGF-W143-R2
ICGF-238 (W-143-3)	ICGF-W143-R3

ICGF-239 (W-143-4)	ICGF-W143-R4
ICGF-256 (W-150A)	ICGF-W150A
ICGF-162 (Z-312)	ICGF-Z312-D
ICGF-258 (Z-312)	ICGF-Z312-NG
MISC-100 (CEP-209)	MISC-CEP209-1
MISC-101 (CEP-209)	MISC-CEP209-2
PNT0-006 (A-81)	PNT0-A81
PNT0-108 (CEP-165A)	PNT0-CEP165A
PNT0-017	PNT0-HM14-AERO
PNT0-109	PNT0-HM14-SHIP
PNT0-011	PNT0-HSC2
PNT0-131	PNT0-HSC22
PNTS-100	PNT0-HSC26
PNTS-101	PNT0-HSC28
PNT0-134	PNT0-HSC84
PNTS-037 (LP-167)	PNT0-LP167
PNT0-014	PNT0-MAG42
PNT0-133 (NM-110)	PNT0-NM110
PNT0-127 (PIERS)	PNT0-PIER-KTR
PNT0-107 (PIERS)	PNT0-PIER-NVY
PNT0-124 (CEP-160)	PNT0-PIERS-DIVE
PNT0-128 (PIERS)	PNT0-PIER-TUG
PNTS-071 (Q-50)	PNT0-Q50
PNT0-004 (Q-72)	PNT0-Q72
PNT0-112 (SPRUCE)	PNT0-SPRUCE
PNT0-026 (V-88)	PNT0-V88
PNT0-019	PNT0-VAW120
PNT0-102	PNT0-VAW121
PNT0-103	PNT0-VAW123
PNT0-104	PNT0-VAW124
PNT0-105	PNT0-VAW125
PNT0-106	PNT0-VAW126

PNTO-013	PNTO-VRC40
PNTS-121 (CEP-209)	PNTS-CEP209
PNTS-064 (LP-167)	PNTS-LP167
PNTS-016 (NM-110)	PNTS-NM110
PNTS-123 (SP-300-400)	PNTS-SP300-400
PNTS-122 (SP-300-500)	PNTS-SP300-500
PNTS-019 (SP-300-600)	PNTS-SP300-600
PNTS-020 (SP-356)	PNTS-SP356
PNTS-067 (SP-383)	PNTS-SP383-1
PNTS-068 (SP-383)	PNTS-SP383-2
PNTS-124 (V-146)	PNTS-V146
PNTS-066 (X-137)	PNTS-X137

*Grouped units with applicable requirements – individual name changes*

GROUP UNIT ID	OLD UNIT ID	NEW UNIT ID
GSTA-GRP1	GSTA-001/015/016	GSTA-CD11
GSTA-GRP1	GSTA-002/020/073	GSTA-CEP66
GSTA-GRP1	GSTA-005/025/096	GSTA-MCE224
GSTA-GRP1	GSTA-007/018/019	GSTA-P64
GSTA-GRP1	GSTA-010/024/074	GSTA-U113
GSTA-GRP1	GSTA-108	GSTA-V56
WOOD-GRP1	WOOD-013	WOOD-A81
WOOD-GRP1	WOOD-020	WOOD-LP167
WOOD-GRP1	WOOD-022	WOOD-NH31
WOOD-GRP1	WOOD-007	WOOD-NM110
WOOD-GRP1	WOOD-009	WOOD-P4
WOOD-GRP1	WOOD-012	WOOD-SP83
WOOD-GRP1	WOOD-011	WOOD-SP89
WOOD-GRP1	WOOD-025	WOOD-W131
WOOD-GRP1	WOOD-014	WOOD-Y100A

*Grouped insignificant units – group name changes*

OLD UNIT ID	NEW UNIT ID
BOIL-GRP1	BOIL-GRP-NG
BOIL-GRP2	BOIL-GRP-#2
CLNO-GRP1	CLNO-GRP-A
CLNO-GRP2	CLNO-GRP-O
FURN-GRP1	FURN-GRP-NG
FURN-GRP2	FURN-GRP-#2
OCOM-GRP1	OCOM-GRP-NG
OCOM-GRP2	OCOM-GRP-#2
OCOM-GRP3	OCOM-GRP-LP

*Individual insignificant units*

OLD UNIT ID	NEW UNIT ID
ABRA-015	ABRA-Q72
ABRA-109	ABRA-V146
CHMC-002	CHMC-CEP200-ACID
CHMC-003	CHMC-CEP200-NUTR
CHMC-027	CHMC-SP234
ENGT-015	ENGT-V88
FIRI-004	FIRI-MCA604
FIRI-005	FIRI-CEP161-1
FIRI-006	FIRI-CEP161-2
MISC-004	MISC-CD3
MISC-007	MISC-CEP200-007
MISC-011	MISC-CEP200-011
MISC-015	MISC-CEP200-015
MISC-016	MISC-CEP200-016
MISC-026	MISC-V58
PLAS-004	MISC-CEP200-004
PLMN-001	MISC-CEP200-001
PNT0-109	PNT0-HM14-SHIP
PNT0-110	PNT0-CEP209
PNT0-123	PNT0-CEP200-67X
PNTS-021	PNT0-LP20-EQP
PNTS-069	PNT0-LP20-VEH
PNTS-125	PNTS-W7
PRNT-011	PRNT-NH31
STRP-100	STRP-CEP209

## EMISSIONS INVENTORY

CY 2007 annual emissions are summarized in the following table:

	2007 Criteria Pollutant Emission in Tons/Year				
	VOC	CO	SO <sub>2</sub>	PM <sub>10</sub>	NO <sub>x</sub>
TOTAL	77.2	97.5	417.6	34.6	204.3

### **EMISSION UNIT APPLICABLE REQUIREMENTS - Fuel Burning Equipment Requirements**

The fuel burning equipment associated with this section of the permit consists of the following emission units: BOIL-NH202, BOIL-P1-55, BOIL-P1-56, BOIL-P1-57, BOIL-P1-58, BOIL-P1-59, BOIL-P1-60, BOIL-P1-61, BOIL-P1-62, BOIL-SP85-1, BOIL-SP85-2, BOIL-Z312-25, BOIL-Z312-26, BOIL-Z312-27 ICGF-P1-1, ICGF-P1-3, and ICGF-Z312-D.

### **Limitations**

The following NSR conditions from the permit issued June 25, 2007 are applicable requirements for the Title V permit:

- NSR Conditions 3, 4, and 5: Emission Controls
- NSR Condition 8 and 9: Emergency Generator Use
- NSR Conditions 10, 11, 12, 13, 14, 15, and 17: Fuel Requirements
- NSR Condition 16: Fuel Throughput
- NSR Condition 18 and 20: Fuel Certification
- NSR Conditions 21, 22, 23, 24, 25, 26, 27, 28, and 29: Emission Limits
- NSR Conditions 30, 31, and 32: Visible Emission Limit

The following Federal requirement has been determined to be applicable:

- 40 CFR 60 Subpart Dc - Small Industrial-Commercial-Institutional Steam Generating Unit

The following Virginia Administrative Codes have been determined to be applicable:

- 9 VAC 5-50-260: BACT Standard for Stationary Sources
- 9 VAC 5-50-40: Monitoring for New and Modified Sources
- 9 VAC 5-50-50: Notification, Records, and Reporting for New and Modified Sources
- 9 VAC 5-50-80: Standard for Visible Emissions for New and Modified Sources
- 9 VAC 5-50-410: EPA Standards of Performance for New Stationary Sources

### **Monitoring**

The monitoring device requirements of the June 25, 2007 NSR permit conditions 6 and 7 have been included in the Title V permit. Monitoring requirements for visible emissions have been incorporated to meet Part 70 requirements.

### **Recordkeeping and Reporting**

The recordkeeping and reporting requirements of the June 25, 2007 NSR permit conditions 33, 34, 35, and 36 have been included in the Title V permit.

### **Streamlined Requirements**

There are no streamlined requirements for these units.

### **EMISSION UNIT APPLICABLE REQUIREMENTS - Internal Combustion Engines (Generators)**

The internal combustion engines (generators) associated with this section of the permit consists of the following emission units: ICGF-CEP151, ICGF-CEP156, ICGF-CEP209, ICGF-M51-1, ICGF-M51-2, ICGF-M51-3, ICGF-M51-GBS, ICGF-M113, ICGF-NH94-1, ICGF-NH94-2, ICGF-NH94-3, ICGF-NH94-4, ICGF-NH139, ICGF-V53, ICGF-V117, ICGF-W6A, ICGF-W143-1, ICGF-W143-2, ICGF-W143-R1, ICGF-W143-R2, ICGF-W143-R3, ICGF-W143-R4, ICGF-W150A, and ICGF-Z312-NG.

### **Limitations**

The following NSR conditions from the permit issued June 13, 2003 are applicable requirements for the Title V permit:

- NSR Conditions 3 and 5: Fuel Requirements
- NSR Condition 4: Fuel Throughput
- NSR Condition 6: Fuel Certification
- NSR Condition 7, 8, and 9: Emission Limits
- NSR Condition 10: Visible Emissions

The following NSR conditions from the permit issued October 10, 2002 are applicable requirements for the Title V permit:

- NSR Condition 7: Fuel Certification
- NSR Condition 4: Operating Hours
- NSR Condition 6: Fuel Requirements
- NSR Condition 9: Emission Limits
- NSR Condition 10: Visible Emission Limit

The following NSR conditions from the permit issued December 8, 1999 are applicable requirements for the Title V permit:

- NSR Condition 15: Visible Emission Limit
- NSR Condition 8: Fuel Requirements
- NSR Condition 9: Operating Hours

The following Federal requirements have been determined to be applicable:

- 40 CFR 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
- 40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

The following Virginia Administrative Codes have been determined to be applicable:

- 9 VAC 5-50-260: BACT Standard for Stationary Sources
- 9 VAC 5-50-40: Monitoring for New and Modified Sources
- 9 VAC 5-50-50: Notification, Records, and Reporting for New and Modified Sources
- 9 VAC 5-50-80: Standard for Visible Emissions for New and Modified Sources

### **Monitoring**

The NSR permits do not include specific monitoring requirements. Monitoring requirements for visible emissions have been incorporated to meet Part 70 requirements.



**Recordkeeping and Reporting**

The recordkeeping and reporting requirements of the June 13, 2003 NSR permit (Conditions 11 and 17), October 10, 2002 permit (Conditions 12 and 19) and December 8, 1999 permit (Condition 17) have been included in the Title V permit.

**Streamlined Requirements**

There are no streamlined requirements for these units.

## **EMISSION UNIT APPLICABLE REQUIREMENTS - Surface Coating Operations**

### **Limitations**

The following NSR conditions from the permit issued December 8, 1999 are applicable requirements for the Title V permit:

- NSR Condition 3: Emission Controls
- NSR Condition 6: Coating Throughput
- NSR Condition 11: Emission Limits
- NSR Condition 13: Visible Emission Limit

The following NSR conditions from the permit issued February 5, 2003 are applicable requirements for the Title V permit:

- Condition 4: VOC Disposal
- Condition 3: Emission Controls
- Condition 6: Coating Throughput
- Condition 7: Emission Limits
- Condition 8: Visible Emission Limits

The following NSR conditions from the permit issued January 5, 2009 are applicable requirements for the Title V permit:

- Condition 3: Emission Controls
- Condition 4: VOC Disposal/Work Practice Standards
- Condition 7: Coating Throughput
- Condition 8: Abrasive Blast Throughput
- Condition 9: VOC Coating Content
- Condition 10: HAP Coating Content
- Condition 12: Emission Limits
- Condition 13: Visible Emission Limit

The following Federal requirements have been determined to be applicable:

- 40 CFR 63 Subpart II - National Emission Standards for Hazardous Air Pollutants - Shipbuilding and Ship Repair (Surface Coating)
- 40 CFR 63 Subpart GG - National Emission Standards for Hazardous Air Pollutants - Aerospace Manufacturing and Rework Facilities

The following Virginia Administrative Codes have been determined to be applicable:

- 9 VAC 5-50-260: BACT Standard for Stationary Sources
- 9 VAC 5-50-40: Monitoring for New and Modified Sources
- 9 VAC 5-50-50: Notification, Records, and Reporting for New and Modified Sources
- 9 VAC 5-50-80: Standard for Visible Emissions for New and Modified Sources
- 9 VAC 5-60-100: EPA National Emission Standards for Hazardous Air Pollutants (source categories)

### **Monitoring**

Monitoring as indicated in the MACTs (Subpart II and Subpart GG) has been incorporated into the permit.

### **Recordkeeping and Reporting**

The recordkeeping and reporting requirements of the December 8, 1999 permit (conditions 17 and 24), the February 5, 2003 permit (conditions 9 and 17), and the July 12, 2005 permit (conditions 14 and 22) have been included in the Title V permit. In addition, specific recordkeeping requirements from 40 CFR 63, Subparts II and GG, have been incorporated into the permit.

### **Streamlined Requirements**

Condition 13 of the NSR/MACT permit issued January 5, 2009 has been streamlined out of this permit. The condition is related to monitoring for opacity for the paint spray booth. The requirement to monitor for opacity has been in all past Title V permits. However, the source has never identified any conditions of opacity. Therefore, due to the historical non-occurrence of opacity from the paint spray booths, there will be no additional monitoring required for opacity in this section of the permit.

### **EMISSION UNIT APPLICABLE REQUIREMENTS - Abrasive Blasting and Fiberglass Operations**

The abrasive blasting unit associated with this section of the permit is ABRA-SP356. The fiberglass sanding and sawing operation associated with this section of the permit is identified as MISC-CEP209-100 and 101.

#### **Limitations**

The following NSR conditions from the permit issued August 2, 1985 are applicable requirements for the Title V permit:

- NSR Specific Condition 4: Steel Shot Throughput
- NSR Specific Condition 5: Emission Limits
- NSR Specific Condition 6: Emission Controls
- NSR Specific Condition 7 and General Condition 4: Emissions Testing
- NSR General Condition 6: Operator Training

The following NSR conditions from the permit issued December 8, 1999 are applicable requirements for the Title V permit:

- NSR Condition 4: Emission Controls
- NSR Condition 7: Throughput
- NSR Condition 14: Visible Emission Limit

The following Virginia Administrative Codes have been determined to be applicable:

- 9 VAC 5-50-260: BACT Standard for Stationary Sources
- 9 VAC 5-50-20: Compliance with Opacity Standard
- 9 VAC 5-50-40: Monitoring for New and Modified Sources
- 9 VAC 5-50-50: Notification, Records, and Reporting for New and Modified Sources
- 9 VAC 5-50-80: Standard for Visible Emissions for New and Modified Sources

#### **Monitoring**

The NSR permits do not include provisions for monitoring. Monitoring requirements for visible emissions have been incorporated to meet Part 70 requirements.

#### **Recordkeeping and Reporting**

The recordkeeping and reporting requirements of the August 2, 1985 permit (conditions 5 and 7) and the December 8, 1999 permit (condition 17) have been included in the Title V permit.

#### **Streamlined Requirements**

There are no streamlined requirements for these units.

### **EMISSION UNIT APPLICABLE REQUIREMENTS - Woodworking Operations**

The woodworking operations associated with this section of the permit consist of the following, to be referred to as WOOD-GRP1: WOOD-A81, WOOD-LP167, WOOD-NH31, WOOD-NM110, WOOD-P4, WOOD-SP83, WOOD-SP89, WOOD-W131, and WOOD-Y100A. WOOD-PNT1 covers all Wood Furniture Manufacturing Operation NESHAP coating emissions.

There are no NSR permits associated with these emissions units.

### **Limitations**

The following Federal requirement has been determined to be applicable:

40 CFR 63 Subpart JJ - Wood Furniture Manufacturing Operations

The following Virginia Administrative Codes have been determined to be applicable:

9 VAC 5, Chapter 40, Article 17 - Emission Standards for Woodworking Operations

9 VAC 5-50-80: Standard for Visible Emissions for New and Modified Sources

9 VAC 5-60-100: EPA National Emission Standards for Hazardous Air Pollutants (source categories)

### **Monitoring**

Monitoring requirements for visible emissions, and cyclone/baghouse inspections have been incorporated to meet Part 70 requirements.

### **Recordkeeping and Reporting**

Recordkeeping and reporting requirements for inspections and visible emissions have been incorporated to meet Part 70 requirements. In addition, specific recordkeeping requirements from 40 CFR 63, Subpart JJ have been incorporated into the permit.

### **Streamlined Requirements**

There are no streamlined requirements for these units.

### **EMISSION UNIT APPLICABLE REQUIREMENTS - Gasoline Pumps (Service Stations)**

The gasoline pumps associated with this section of the permit consist of the following emission units to be referred to as GSTA-GRP1 (gasoline dispensing with stage I vapor recovery): GSTA-CD11, GSTA-CEP66, GSTA-MCE224, GSTA-P64, GSTA-U113, and GSTA-V56.

There are no NSR permits associated with these emissions units.

### **Limitations**

The following Virginia Administrative Codes have been determined to be applicable:

- 9 VAC 5, Chapter 40, Article 37 - Emission Standards for Petroleum Liquid Transfer and Storage Operations
- 9 VAC 5-50-20 E: Proper operation of equipment and air pollution control devices
- 9 VAC 5-50-20 F: VOC Disposal

### **Monitoring and Recordkeeping**

Monitoring and recordkeeping requirements for Stage I equipment, to ensure compliance with 9 VAC 5, Chapter 40, Article 37, have been incorporated to meet Part 70 requirements.

### **Streamlined Requirements**

There are no streamlined requirements for these units.

### **EMISSION UNIT APPLICABLE REQUIREMENTS - Degreasing Operations**

The degreasing operations associated with this section of the permit consist of the various emission units located at the facility, identified as DEGS-GRP1.

There are no NSR permits associated with these emissions units.

### **Limitations**

The following Virginia Administrative Codes have been determined to be applicable:

9 VAC 5, Chapter 40, Article 24 - Solvent Metal Cleaning Operations

9 VAC 5-50-20 F: VOC Disposal

### **Monitoring and Recordkeeping**

Monitoring and recordkeeping requirements for solvent metal cleaning operations, to ensure compliance with 9 VAC 5, Chapter 40, Article 24, have been incorporated to meet Part 70 requirements.

### **Streamlined Requirements**

There are no streamlined requirements for these units.

**EMISSION UNIT APPLICABLE REQUIREMENTS - Off-Site Waste NESHAP and Container NESHAP**

There are no NSR permits associated with these emissions units.

**Limitations**

The following Federal requirements have been determined to be applicable:

40 CFR 63 Subpart DD - National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations

40 CFR 63 Subpart PP - National Emission Standards for Hazardous Air Pollutants from Containers

**Monitoring**

Monitoring requirements from the applicable NESHAPs have been incorporated to meet Part 70 requirements.

**Recordkeeping and Reporting**

Recordkeeping and reporting requirements from the applicable NESHAPs have been incorporated to meet Part 70 requirements.

**Streamlined Requirements**

There are no streamlined requirements for these units.



## **FACILITY-WIDE CONDITIONS**

This section includes general facility-wide conditions. There are no emissions unit-specific conditions. There are no monitoring, recordkeeping, or reporting requirements in this section. There are general conditions related to testing.

### **Testing**

The permit does not require source tests. The Department and EPA have authority to require testing not included in this permit if necessary to determine compliance with an emission limit or standard.

## GENERAL CONDITIONS

The permit contains general conditions required by 40 CFR Part 70 and 9 VAC 5-80-110 that apply to all Federal-operating permitted sources. These include requirements for submitting semi-annual monitoring reports and an annual compliance certification report. The permit also requires notification of deviations from permit requirements or any excess emissions.

### Comments on General Conditions

#### B. Permit Expiration

This condition refers to the Board taking action on a permit application. The Board is the State Air Pollution Control Board. The authority to take action on permit application(s) has been delegated to the Regions as allowed by §2.2-604 and §10.1-1185 of the *Code of Virginia*, and the "Department of Environmental Quality Agency Policy Statement No. 3-2006".

#### F. Failure/Malfunction Reporting

Section 9 VAC 5-20-180 requires malfunction and excess emission reporting within four hours of discovery. Section 9 VAC 5-80-250 of the Title V regulations also requires malfunction reporting; however, reporting is required within two days. Section 9 VAC 5-20-180 is from the general regulations. All affected facilities are subject to section 9 VAC 5-20-180 including Title V facilities. Section 9 VAC 5-80-250 is from the Title V regulations. Title V facilities are subject to both sections. A facility may make a single report that meets the requirements of 9 VAC 5-20-180 and 9 VAC 5-80-250. The report must be made within four daytime business hours of discovery of the malfunction.

#### J. Permit Modification

This general condition cites the sections that follow:

9 VAC 5-80-50. Applicability, Federal Operating Permit For Stationary Sources

9 VAC 5-80-190. Changes to Permits.

9 VAC 5-80-260. Enforcement.

9 VAC 5-80-1100. Applicability, Permits For New and Modified Stationary Sources

9 VAC 5-80-1790. Applicability, Permits For Major Stationary Sources and Modifications Located in Prevention of Significant Deterioration Areas

9 VAC 5-80-2000. Applicability, Permits for Major Stationary Sources and Major Modifications Locating in Nonattainment Areas

#### U. Malfunction as an Affirmative Defense

The regulations contain two reporting requirements for malfunctions that coincide. The reporting requirements are listed in sections 9 VAC 5-80-250 and 9 VAC 5-20-180. The malfunction requirements are listed in General Condition U and General Condition F. For further explanation see the comments on general condition F.

#### Y. Asbestos Requirements

The Virginia Department of Labor and Industry under Section 40.1-51.20 of the Code of Virginia also holds authority to enforce 40 CFR 61 Subpart M, National Emission Standards for Asbestos.

#### **STATE ONLY APPLICABLE REQUIREMENTS**

The permit includes the following state only applicable requirements:

9 VAC 5-40-140 Existing Source Standard for Odor

9 VAC 5-50-220 Existing Source Standard for Toxic Pollutants

9 VAC 5-50-140 New and Modified Source Standard for Odor

9 VAC 5-50-320 New and Modified Source Standard for Toxic Pollutants

#### **INAPPLICABLE REQUIREMENTS**

The source did not include specific inapplicable requirements in the permit application.

The startup, shut down, and malfunction opacity exclusion listed in 9 VAC 5-40-20 A.4 cannot be included in any Title V permit. This portion of the regulation is not part of the federally approved state implementation plan. The opacity standard applies to existing sources at all times including startup, shutdown, and malfunction. Opacity exceedances during malfunction can be affirmatively defended provided all requirements of the affirmative defense section of this permit are met. Opacity exceedances during startup and shut down will be reviewed with enforcement discretion using the requirements of 9 VAC 5-40-20 E, which state that "At all times, including periods of startup, shutdown, soot blowing and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions."

#### **COMPLIANCE PLAN**

There is no compliance plan needed for this permit.

**INSIGNIFICANT EMISSION UNITS**

The insignificant emission units are presumed to be in compliance with all requirements of the Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

**Grouped Units**

UNIT (ID)	Emission Unit Description	Exemption Code	Pollutant(s) emitted	Rated Capacity
ABRA-GRP1	Vented abrasive blast gloveboxes	2	Compounds of Antimony, Cadmium, Chromium, Cobalt, Cyanide, Lead, Manganese, & Nickel; PM/PM10, Phosphorus	N/A
BOIL-GRP-#2	#2 oil boilers	2, 3	CO, Formaldehyde, Lead, NOx, PM, PM10, POM, Sox, VOC	< 1 MMBTU/hr ea
BOIL-GRP-NG	NG boilers	2, 3	CO, NOx, PM, PM10, Sox, VOC	< 10 MMBTU/hr ea
CLNO-GRP-A	Paint Gun Washers – Aerospace	2	PM, PM10, VOC	N/A
CLNO-GRP-O	Paint Gun Washers – Other	2	PM, PM10, VOC	N/A
DEGS-GRP1	Solvent Degreasers and Parts Washers	2	1,4-Dichlorobenzene, Ethylbenzene, Petroleum Naptha, Monoethanolamine, Naphthalene, Toluene VOC, Xylenes	N/A
FURN-GRP-#2	#2 oil boilers	2, 3	CO, Formaldehyde, Lead, NOx, PM, PM10, POM, Sox, VOC	< 1 MMBTU/hr ea
FURN-GRP-NG	NG boilers	2, 3	CO, NOx, PM, PM10, Sox, VOC	< 10 MMBTU/hr ea
GSTA-GRP3	Gasoline dispensing (no VR)	2	2,2,4- trimethylpentane; 2-Methoxy-2-methyl propane; Benzene, Cumene, Ethylbenzene, Hexane, Toluene, VOC, Xylenes	N/A
GSTA-GRP4	Kerosene and Jet Kerosene (JP-5) dispensing	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
ICGF-GRP1	#2 Internal Combustion Engines- not NSPS or MACT applicable	2, 3	1,3-Butadiene; Acetaldehyde; Acrolein; Benzene; Carbon Monoxide; Formaldehyde; Naphthalene; NOx; PM/PM10; POM; Sox; Toluene; VOC; Xylenes	< 497 kW ea
OCOM-GRP-#2	#2 oil boilers	2, 3	CO, Formaldehyde, Lead, NOx, PM, PM10, POM, Sox, VOC	< 1 MMBTU/hr ea
OCOM-GRP-LP	Liquified Petroleum Gas (LPG) Space Heaters	2, 3	CO, NOx, PM, PM10, Sox, VOC	< 1 MMBTU/hr ea
OCOM-GRP-NG	NG boilers	2, 3	CO, NOx, PM, PM10, Sox, VOC	< 10 MMBTU/hr ea
PETO-GRP1	Petroleum fueling, defueling, and/or	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A

	distribution: JP-5			
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UNIT (ID)	Emission Unit Description	Exemption Code	Pollutant(s) emitted	Rated Capacity
PETO-GRP2	Petroleum fueling, defueling, and/or distribution: F-76 (diesel)	2	Naphthalene, VOCs	N/A
PETO-GRP3	Petroleum fueling, defueling, and/or distribution: lube oil	2	VOCs, VOHAPS	N/A
TNKA-GRP1	Diesel/fuel oil #2	2	VOCs, VOHAPS	N/A
UNIT (ID)	Emission Unit Description	Exemption Code	Pollutant(s) emitted	Rated Capacity
TNKA-GRP2	Gasoline storage (no stage I vapor recovery)	2	2,2,4- trimethylpentane; 2-Methoxy-2-methyl propane; Benzene, Cumene, Ethylbenzene, Hexane, Toluene, VOC, Xylenes	N/A
TNKA-GRP3	Kerosene and jet kerosene (JP-5)	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKA-GRP4	Lube oil	2		N/A
TNKA-GRP5	Used oil	2	VOCs, VOHAPS	N/A
TNKA-GRP6	Various fuel oils for steam plants	2		N/A
TNKA-GRP1	Diesel/fuel oil #2	2	VOCs, VOHAPS	N/A
TNKA-GRP2	Gasoline storage (stage I vapor recovery)	2	2,2,4- trimethylpentane; 2-Methoxy-2-methyl propane; Benzene, Cumene, Ethylbenzene, Hexane, Toluene, VOC, Xylenes	N/A
TNKA-GRP2b	Gasoline storage (no vapor recovery)	2	2,2,4- trimethylpentane; 2-Methoxy-2-methyl propane; Benzene, Cumene, Ethylbenzene, Hexane, Toluene, VOC, Xylenes	N/A
TNKA-GRP3	Kerosene and jet kerosene (JP-5)	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKA-GRP4	Lube oil	2	VOCs, VOHAPS	N/A
TNKA-GRP5	Used oil	2	VOCs, VOHAPS	N/A
TNKA-GRP6	Various fuel oils for steam plants	2		N/A
WOOD-PNT1	Wood NESHAP sources	2	VOCs, VOHAPS	N/A
WSTL-GRP1	Oil/Water Separation Units	2	Benzene, Hexane, Naphthalene, VOC	N/A
WSTS-GRP1	Paper Shredders w/ Cyclone	2	PM/PM-10	N/A
WSTS-GRP2	Paper Shredders w/ Cyclone/Baghouse	2	PM/PM-10	N/A

## Individual Units

UNIT (ID)	Emission Unit Description	Exemption Code	Pollutant(s) emitted	Rated Capacity
ABRA-Q72	Outdoor Sandblasting (Barge Repair)	2	Compounds of Antimony, Cadmium, Chromium, Cobalt, Cyanide, Lead, Manganese, & Nickel; PM/PM10; Phosphorus	N/A
ABRA-V146	Helicopter blast booth	2	Compounds of Chromium, Cobalt, Nickel; PM/PM10	N/A
CHMC-CEP200-ACID	Acid Dip Tank	2	PM, PM10	N/A
CHMC-CEP200-NUTR	Neutralization Tank	2	PM, PM10	N/A
CHMC-SP234	Parachute Hand Wipe Cleaning	2	Methyl ethyl ketone, VOC	N/A
ENGT-V88	Small Boat Outboard Motor Testing	2	Acetaldehyde, Benzene, CO, Chlorine, Ethylbenzene, Formaldehyde, Hexane, NOx, PM/PM10, Sox, Toluene, VOC, Xylenes	N/A
FIRI-CEP161-1	Indoor Firing Range	2	Lead, PM, PM10	N/A
FIRI-CEP161-2	Indoor Firing Range	2	Lead, PM, PM10	N/A
FIRI-MCA604	Indoor Firing Range	2	Lead, PM, PM10	N/A
MISC-CD3	Dental Clinic	2	PM, PM10	N/A
MISC-CEP200-001	Flex Hose Cutting	2	PM, PM10	N/A
MISC-CEP200-004	Metal Spray Booth	2	PM, PM10	N/A
MISC-CEP200-007	Lagging/Fiberglass Cutting	2	PM, PM10	N/A
MISC-CEP200-011	Ultrasonic Dryer	2	VOC	N/A
MISC-CEP200-015	Brick Oven Cutting Saw	2	PM, PM10	N/A
MISC-CEP200-016	Pipe Insulation Cutting	2	PM, PM10	N/A
MISC-V58	Lapmaster Metal Sander	2	PM, PM10	N/A
PNT0-A81	Sign Shop	2		N/A
PNT0-CEP200-67x	Cable moulding aka portsmouth plug making	2	VOCs, VOHAPS	N/A
PNT0-CEP209	Plastisol Coating Dip Tank System	2	Cadmium compounds, PM, PM10, Vinyl chloride, VOC	N/A
PNT0-LP20-EQP	Forklift repair, aerosol only	2	PM, PM10, VOCs, VOHAPS	N/A
PNT0-LP20-VEH	Vehicle Priming, aerosol only	2	PM, PM10; VOCs, VOHAPS	N/A
UNIT (ID)	Emission Unit Description	Exemption Code	Pollutant(s) emitted	Rated Capacity
PNTS-V88-1	Paint hoods, aerosol only,		PM, PM10, VOCs, VOHAPS	N/A

PNTS-V88-2	boat engine parts			
PNTS-W7	Paint hood, aerosol only, boat engine parts	2	PM, PM10, VOCs, VOHAPS	N/A
PRNT-NH31	Printing Shop	2	PM, PM10, VOC, Xylenes	N/A
STRP- CEP209	Plastisol stripping tank	2	VOC	N/A

*Exemption Codes: 2: by virtue of emission levels 3: by virtue of size or production level (rated capacity)*

**CONFIDENTIAL INFORMATION**

The source has not identified any information as confidential. All portions of the application and permit are suitable for public review.

**PUBLIC PARTICIPATION**

The proposed permit will be placed on public notice in The Virginian-Pilot from February 5, 2009 to March 9, 2009.



ALC 6 185

Region VI

REC/LOGGED			
SEQ		ACT	INT
	BEG DIR		llc
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	CHEMIST		
	SURV OFF		
	TECH 1		
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	ADM		

August 2, 1985

Mr. A. L. Brownson  
Atlantic Division  
Naval Facility Engineering Command  
Norfolk, Virginia 23511-6287

Location: Norfolk, Virginia  
Registration No: 60942  
County-Plant No: 2140-0193

Dear Mr. Brownson:

Attached is a permit to construct and operate an abrasive-blast room at the JCB Facility, Norfolk Naval Air Station in accordance with the provisions of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution.

In the course of evaluating the application and arriving at a final decision to approve the project, the Virginia State Air Pollution Control Board (SAPCB) deemed the application complete on July 15, 1985.

This approval to construct and operate shall not relieve the Norfolk Naval Air Station of the responsibility to comply with all other local, State and Federal air pollution control regulations.

If you have any questions concerning this permit, please contact the Director, Region VI, at (804) 499-6345.

Sincerely,

A. E. Meyer  
Executive Director

**ORIGINAL SIGNED BY**

John M. Daniel, Jr., P.E.  
Acting Executive Director

JRM/JEL/edb  
Attachment

cc: Assistant Executive Director-Operations  
Director, Division of Source Evaluation

Director, Region VI  
Pembroke Office Park  
Pembroke Four - Suite 409  
Virginia Beach, VA 23462  
(804) 499-6345

AUG 6 1985

PERMIT TO CONSTRUCT AND OPERATE

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution,

Norfolk Naval Air Station  
Norfolk, Virginia 23511  
Registration No. 60942  
County-Plant No. 2140-0193

is authorized to construct and operate

Abrasive-blasting room  
at the new GSE Facility  
Building SP-313  
Norfolk Naval Air Station

located at

Norfolk, Virginia

in accordance with the Specific Conditions (emission limitations, monitoring and testing requirements) and the General Conditions set forth in Parts I and II herein.

Approved this second day of August, 1985.

W. R. Meyer  
Executive Director

ORIGINAL SIGNED BY

John M. Daniel, Jr., P.E.  
Acting Executive Director

Permit Consists of 5 pages.

Part I - Specific Conditions 1 to 8.

Part II - General Conditions 1 to 17.

Part III - Document List, 2 items.

**PART I - SPECIFIC CONDITIONS** - the regulatory reference and authority for each condition is listed in parenthesis ( ) after each condition.

1. The Norfolk Naval Air Station is located in Norfolk, Virginia.
2. Construction and operation shall be conducted as proposed in the permit application dated June 20, 1985, amended July 11, 1985. The permit application and supporting documents (see Document List) are a part of this permit.  
(Section 120-02-11 of State Regulations)
3. The equipment to be installed consists of:
  - an abrasive-blasting room
  - Pulse-Jet baghouse
4. The yearly throughput of steel shot shall not exceed 312 tons.  
(Section 120-02-11 of State Regulations)
5. Emissions from the operation of the abrasive-blasting room shall not exceed the limitations specified below:  
  
Particulate Matter    0.1 lbs/hr    0.1 tone/yr  
(Section 120-05-0403 of State Regulations)
6. Particulate emissions from the abrasive-blast room will be controlled by a baghouse, rated at least 99 percent efficient. The baghouse shall be provided with adequate access for inspection.  
(Section 120-08-01 F of State Regulations)
7. In order to facilitate continuing compliance measurements, test ports will be provided at the following points: baghouse stack exhaust.  
(Section 120-05-03 F of State Regulations)
8. Stack testing will not be required due to the existence of adequate data (attached in lieu of Part IV) to allow the SAPCB staff to make the technical assessment that the source can operate in compliance. An opacity test shall be conducted on the baghouse. The details of the test shall be arranged with the Director, Region VI.  
(Section 120-08-01 H5 of State Regulations)

**PART II - GENERAL CONDITIONS**

1. Within 10 days after receiving this permit the permittee shall notify the Board (Director, Region VI) in writing of the estimated start-up date of the permitted facility. This notification is for administrative purposes only and need not be a firm date.  
(Section 120-02-11 of State Regulations)

State Permit to Construct and Operate  
Norfolk Naval Air Station  
Registration No. 60942  
August 2, 1985  
Page 3

2. Quarterly reports on the progress of construction shall be submitted to the Director, Region VI, addresses below, beginning August 30, 1985.  
(Section 120-02-11 of State Regulations)
3. The permittee shall furnish written notification to the Board (Director, Region VI) of:
  - a. The actual date on which construction commenced within 30 days after such date.
  - b. The anticipated start-up date postmarked not more than 60 days nor less than 30 days prior to such date.
  - c. The actual start-up date within 15 days after such date.  
(Section 120-05-05 of State Regulations)
4. The permitted facility shall be designed and constructed so as to allow emissions testing using the methods prescribed upon reasonable notice at any time.  
(Sections 120-05-03 and 120-06-03 of State Regulations)
5. The permittee shall retain records of all emission data and operating parameters required to be monitored by the terms of this permit. These records shall be maintained by the source for a period of at least two (2) years.  
(Sections 120-05-05 and 120-06-05 of State Regulations)
6. All air pollution control equipment operators will be trained and certified in the proper operation of all such equipment. Norfolk Naval Air Station will maintain records of the required training and certification. Certification of training shall consist of a statement of time, place and nature of training provided.  
(Section 120-02-11 of State Regulations)
7. The Norfolk Naval Air Station will develop, maintain, in writing, and have available to all operators good operating procedures for all air pollution control equipment. A maintenance schedule for all such equipment will be established and made available to the State Air Pollution Control Board for review. Records of service and maintenance will be maintained on file by the source for a period of two (2) years.  
(Section 120-02-11 of State Regulations)
8. The Board reserves the right to modify and, if appropriate, to reissue or to rescind this permit if prior to operation there is a substantive change to the design capacity or the fundamental nature of the process or control equipment such that the potential to emit of any facility is increased.  
(Section 120-02-11 of State Regulations)

9. The Board reserves the right to modify and, if appropriate, to reissue or to rescind this permit if prior to operation there is a substantive change in any of the data upon which the decision to approve this permit was based.  
(Section 120-02-11 of State Regulations)
10. All local zoning and building requirements must be met before commencing construction.  
(Section 120-02-11 of State Regulations)
11. If, for any reason, the permittee does not comply or will not be able to comply with the emission limitations or other conditions specified in this permit, the permittee shall provide in writing to the Board (Director, Region VI) the following information as soon as possible but no later than five (5) days after such conditions become known to the permittee:
  - a. description of noncompliance;
  - b. cause of noncompliance;
  - c. anticipated time the noncompliance is expected to continue or, if corrected, the actual duration of noncompliance;
  - d. steps taken by the permittee to minimize or eliminate the non-compliance; and
  - e. steps taken by the permittee to prevent recurrence of the non-compliance.

Submittal of this report does not constitute a waiver of the emission limitations or other conditions of this permit nor does it in any way restrict the SAPCB's authority to enforce the permit conditions pursuant to Section 113 of the Clean Air Act.  
(Section 120-02-11 of State Regulations)
12. The permitted facility is to be designed, constructed, and operated in strict accordance with specifications contained in the permit application. Any change in those specifications which may increase emissions or their air quality impact shall be reported to the Director, Region VI within five (5) days after such change occurs.  
(Section 120-02-11 of State Regulations)
13. The permitted facility shall operate in compliance with Rule 5-3, Non-Criteria Pollutants. Any change in the operation of your facility which results in the increase in emission of any non-criteria pollutant or causes the emission of additional non-criteria pollutants shall be reported to the Director, Region VI within five (5) days after such change.  
(Section 120-05-0305 of State Regulations)

14. This approval shall become invalid if construction of the proposed plant is not commenced by February 1987 or if it is discontinued for a period of 18 months.  
(Section 120-08-01 I of State Regulations)
15. In the event of any change in control of ownership of the permitted source, the permittee shall notify the succeeding owner of the existence of this permit by letter and send a copy of that letter to Director, Region VI.  
(Section 120-02-11 of State Regulations)
16. The conditions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of that provision to other circumstances, and the remainder of this permit, shall not be affected thereby.  
(Section 120-02-11 of State Regulations)
17. This permit approval is only applicable to the permit requirements of the State Air Pollution Control Board and does not alter permit requirements by any other local, state, or federal government agency. The Norfolk Naval Air Station is cautioned that approval of this permit should not be construed to mean its operation is automatically in compliance with all aspects of the Regulations for the Control and Abatement of Air Pollution. State Air Board personnel will be constantly evaluating all sources for compliance with Part V, Section 120-05-0103 - Standard for Visible Emissions, Section 120-05-0104 - Standard for Fugitive Dust/Emissions, and Section 120-05-0203 - Standard for Odorous Emissions. Compliance with all air pollution regulations must be a continuing, full time effort.  
(Section 120-02-11 of State Regulations)

Annual requirements to fulfill legal obligations to maintain current stationary source emissions data will necessitate your response to requests for information to include, as appropriate: fuel consumption by type, heat value, sulfur and ash content; process and production data; refuse disposal by incineration including auxiliary fuels burned; storage, handling and use of liquid organic compounds; and, changes in stack data, control equipment, and operating schedules. Such requests for information from the Regional Office will either be in writing or by personal contact of field enforcement personnel. Emissions data provided to the Board by a source must be made available to the public upon request; process data for individual facilities and plants will be made available to the public upon request unless the source claims, in writing, the information is proprietary and that it should be held as confidential.

(Section 120-02-31 of State Regulations)

State Permit to Construct and Operate  
Norfolk Naval Air Station  
Registration No. 60942  
August 2, 1985  
Page 6

PART III - DOCUMENT LIST

1. Permit application signed by Mr. R. D. Crowson on June 19, 1985.
2. Region VI Engineering Evaluation, dated July 22, 1985.



#674

# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

James S. Gilmore, III  
Governor

John Paul Woodley, Jr.  
Secretary of Natural Resources

5636 Southern Boulevard  
Virginia Beach, VA 23462  
Tel# (757) 518-2000  
<http://www.deq.state.va.us>  
Fax: (757) 518-2123

Dennis H. Treacy  
Director

Francis L. Daniel  
Tidewater Regional Director

December 8, 1999

Commander, Navy Region, Mid-Atlantic  
Norfolk Naval Base - Navy Public Works Center  
Regional Environmental Group - Code 970  
9742 Maryland Avenue  
Norfolk, Virginia 23511-3095

AIRS ID No. 51-710-00194  
Location: Norfolk  
Registration Number: 60941

Dear Commander:

Attached is a permit to operate a spray paint booth, fiberglass sanding and sawing equipment systems, and emergency generator in accordance with the provisions of the Commonwealth of Virginia State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution.

The permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all permit conditions carefully.

In the course of evaluating the application and arriving at a final decision to approve the project, the Department of Environmental Quality (DEQ) deemed the application complete on September 14, 1999, and solicited written public comments by placing a newspaper advertisement in the Virginian Pilot on Thursday, November 4, 1999. The thirty day comment period (provided for in 9 VAC 5-80-10 G 4) expired at the close of the public hearing held on Wednesday, December 8, 1999.

This approval to construct and operate shall not relieve Norfolk Naval Base of the responsibility to comply with all other local, state, and federal permit regulations.

The Board's Regulations as contained in Title 9 of the Virginia Administrative Code 5-170-200 provides that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this case decision notice was mailed or delivered to you. 9 VAC 5-170-180 provides that you may request direct consideration of the decision by the Board if the Director of the DEQ made the decision. Please consult the relevant regulations for additional requirements for such requests.



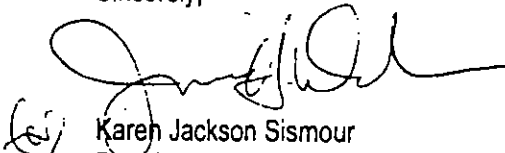
As provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date of service of this decision (the date you actually received this decision or the date on which it was mailed to you, whichever occurred first), within which to initiate an appeal of this decision by filing a Notice of Appeal with:

Director  
Department of Environmental Quality  
Post Office Box 10009  
Richmond, Virginia 23240-0009

In the event that this decision is served on you by mail, three days are added to the period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for information on the required content of the Notice Of Appeal and for additional requirements governing appeals from decisions of administrative agencies.

If you have any questions concerning this permit, please call Eric C. Horner at (757) 518-2111

Sincerely,

  
(s) Karen Jackson Sismour  
Permit Manager

KJS/ECH/NNBSBSR.MIN

Attachments: Permit  
40 CFR Part 63, Subpart II

cc: Director, OAPP (electronic file submission)  
Manager, Data Analysis (electronic file submission)  
Chief, Air Enforcement Branch (3AP13), U.S. EPA, Region III



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

James S. Gilmore, III  
Governor

John Paul Woodley, Jr.  
Secretary of Natural Resources

5636 Southern Boulevard  
Virginia Beach, VA 23462  
Tel# (757) 518-2000  
<http://www.deq.state.va.us>  
Fax: (757) 518-2123

Dennis H. Treacy  
Director

Francis L. Daniel  
Tidewater Regional Director

### STATIONARY SOURCE PERMIT TO OPERATE

**This permit includes designated equipment subject to  
National Emission Standards for Hazardous Air Pollutants for  
Shipbuilding and Ship Repair Sources**

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution,

Commander, Navy Region, Mid-Atlantic  
Norfolk Naval Base - Navy Public Works Center  
Regional Environmental Group - Code 970  
9742 Maryland Avenue  
Norfolk, Virginia 23511-3095  
**AIRS ID No. 51-710-00194**  
Registration Number: 60941

is authorized to construct and operate


One (1) spray paint booth (Ref. No. PNTS-121)  
Two (2) fiberglass sanding and sawing equipment systems  
(Ref. Nos. MISC-100 and MISC-101)  
One (1) diesel emergency generator (Ref. No. ICGF-236)

located at

Norfolk Naval Base

in accordance with the Conditions of this permit.

Approved on December 8, 1999.

  
\_\_\_\_\_  
Director, Department of Environmental Quality

Permit consists of 9 pages.  
Permit Conditions 1 to 28.

*An Agency of the Natural Resources Secretariat*

**PERMIT CONDITIONS** - the regulatory reference or authority for each condition is listed in parentheses ( ) after each condition.

### **APPLICATION**

1. Except as specified in this permit, the permitted facility is to be constructed and operated as represented in the permit application dated August 13, 1999, including amendment information dated September 14, 1999. Any changes in the permit application specifications or any existing facilities which alter the impact of the facility on air quality may require a permit. Failure to obtain such a permit prior to construction may result in enforcement action.  
(9 VAC 5-50-390 and 9 VAC 5-80-10 K 4)

### **PROCESS REQUIREMENTS**

2. **Equipment List** - Equipment to be constructed at this facility consists of:
  - one (1) spray paint booth (Ref. No. PNTS-121)
  - two (2) fiberglass sanding and sawing equipment systems (Ref. Nos. MISC-100 and MISC-101) with two baghouses
  - one (1) 125 kW diesel emergency generator (Ref. No. ICGF-236)(9 VAC 5-80-10 A)
3. **Emission Controls** - Particulate emissions from the spray paint booth (Ref. Nos. PNTS-121) shall be controlled by a dry filter. The dry filter shall be provided with adequate access for inspection and shall be in operation when the spray paint booth is operating.  
(9 VAC 5-50-260)
4. **Emission Controls** - Particulate emissions from the fiberglass sanding and sawing equipment (Ref. Nos. MISC-100 and MISC-101) shall be controlled by a fabric filter. The fabric filter shall be provided with adequate access for inspection and shall be in operation when the sanding and sawing equipment are operating.  
(9 VAC 5-50-260)
5. **Emission Controls** - Volatile organic compound emissions from the use of solvents and coatings in the spray paint booth (Ref. No. PNTS-121) must comply with the 'Volatile Organic HAP' limits (VOHAP's) in 40 CFR Part 63, Subpart II, 63.788, Table 2, as determined by the compliance procedures described in 63.785. The VOHAP limits exclude water and exempt compounds, as applied (see MACT attached).  
(9 VAC 5-60-90 and 9 VAC 5-60-100).

**OPERATING/EMISSION LIMITATIONS**

6. **Throughput** - The throughput of coatings to the spray paint booth (Ref. No. PNTS-121) shall not exceed 1645 gallons per year, calculated monthly as the sum of each consecutive 12 month period.  
(9 VAC 5-80-10 H)
7. **Throughput** - The combined throughput of fiberglass resin, hardener, and mesh used in the fiberglass sanding and sawing equipment systems (Ref. Nos. MISC-100 and MISC-101) shall not exceed 2,105 pounds per year, calculated monthly as the sum of each consecutive 12 month period.  
(9 VAC 5-80-10 H)
8. **Fuel** - The approved fuel for the emergency generator (Ref. No. ICGF-236) is distillate oil. A change in the fuel may require a permit to modify and operate.  
(9 VAC 5-80-10)
9. **Operating Hours** - The emergency generator (Ref. No. ICGF-236) shall not operate more than 500 hours per year, calculated monthly as the sum of each consecutive 12 month period.  
(9 VAC 5-80-10 H)
10. **Fuel Specifications** - The distillate oil for the emergency generator (Ref. No. ICGF-236) shall meet the specifications for fuel oil numbers 1 and 2 under the ASTM specifications.  
(9 VAC 5-80-10 H)
11. **Emission Limits** - Emissions from the operation of the spray paint booth (Ref. No. PNTS-121) shall not exceed the limits specified below:

Volatile Organic Compounds	20.4 lbs/hr	2.3 tons/yr
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These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number 6.  
(9 VAC 5-50-260)

12. **Emission Limits** - Emissions from the operation of the diesel emergency generator (Ref. No. ICGF-236) shall not exceed the limits specified below:

Nitrogen Oxides (as NO <sub>2</sub> )	5.0 lbs/hr	1.3 tons/yr
--	------------	-------------

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number 9.  
(9 VAC 5-50-260)

13. **Visible Emission Limit** - Visible emissions from the spray paint booth (Ref. No. PNTS-121) exhaust shall not exceed five (5) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).  
(9 VAC 5-50-260)
14. **Visible Emission Limit** - Visible emissions from the two (2) fiberglass sanding and sawing equipment systems (Ref. Nos. MISC-100 and MISC-101) fabric filter exhaust shall not exceed five (5) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).  
(9 VAC 5-50-260)
15. **Visible Emission Limit** - Visible emissions from the diesel emergency generator (Ref. No. ICGF-236) shall not exceed fifteen (15) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A), except during one six-minute period in any one hour in which visible emissions shall not exceed twenty (20) percent opacity. This condition applies at all times except during startup, shutdown and malfunction.  
(9 VAC 5-50-260)
16. **Requirements by Reference** - Except where this permit is more restrictive than the applicable requirement, the MACT equipment (Ref. No. PNTS-121) shall be operated in compliance with the requirements of 40 CFR 63, Subpart II.  
(9 VAC 5-50-400 and 9 VAC 5-50-410, 9 VAC 5-60-60 and 9 VAC 5-60-70, 9 VAC 5-60-90 and 9 VAC 5-60-100)

## **RECORDS**

17. **On Site Records** - The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit and with 40 CFR Part 63, Subpart II (b)(1) through (b)(4) for ships only in overhaul status. Recordkeeping requirements for ships in operational status are exempt from the recordkeeping requirements in 63.788(b)(1) through (b)(4). The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:
- a. Monthly and annual throughput (in gallons) of coatings at the spray paint booth (Ref. No. PNTS-121). Annual throughput shall be calculated monthly as the sum of each consecutive 12 month period,
  - b. Monthly and annual throughput (in gallons) of low-usage-exempt coatings at the spray paint booth (Ref. No. PNTS-121). Annual throughput shall be calculated monthly as the sum of each consecutive 12 month period,
  - c. Monthly documentation of each coating used, the appropriate coating category, and the applicable VOHAP limit (Ref. No. PNTS-121),
  - d. Certification of the as-applied VOC content or formulation data for each coating used each month (Ref. No. PNTS-121),
  - e. A determination of whether the containers holding VOHAP materials meet the standards as described in 63.783(b)(2),
  - f. The results of any Method 24 or approved VOHAP measurement test,
  - g. Material Safety Data Sheets (MSDS), VOC Data Sheets and other vendor information showing VOC content, toxic compound or HAP content, water content, and solids content for each coating, thinner, or cleaning solution used in the spray paint booth (Ref. No. PNTS-121),
  - h. Any additional recordkeeping requirements in Table 3 of Subpart II of 40 CFR Part 63 based on the chosen compliance option (63.788 (b)(3)) to demonstrate compliance with the VOHAP limits in Table 2,
  - i. Annual throughput (in pounds) of fiberglass resin, hardener, and mesh at the fiberglass sanding and sawing equipment systems (Ref. Nos. MISC-100 and MISC-101). Annual throughput shall be calculated monthly as the sum of each consecutive 12 month period, and

- j. The annual operating hours for the emergency generator (Ref. No. ICGF-236). The annual operating hours shall be calculated monthly as the sum of each consecutive 12 month period.

These records shall be available for inspection by the DEQ and shall be current for at least the most recent five years.  
(9 VAC 5-50-50)

#### **NOTIFICATIONS/REPORTING**

18. **Initial Notifications** - The permittee shall furnish written notification to the Director, Tidewater Regional Office:
- a. The actual start-up date of the spray paint booth (Ref. No. PNTS-121), within 15 days after such date, and
  - b. The actual start-up date of the fiberglass sanding and sawing equipment systems (Ref. Nos. MISC-100 and MISC-101), within 15 days after such date.

Copies of the written notification referenced in item a are to be sent to:

Associate Director  
Office of Air Enforcement (3AP10)  
U.S. Environmental Protection Agency  
Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

(9 VAC 5-50-50)

19. The permittee shall submit reports of all emission data and operating parameters to demonstrate compliance in accordance with 40 CFR Part 63, Subpart II, 63.788 (c). The reports shall be made for six month periods following the initial compliance date and shall be submitted to EPA Region III and DEQ. Reports to EPA should be sent to the following address:  
Attn: Shipbuilding and Ship Repair MACT Coordinator (3AP12)  
U.S. EPA Region III  
1650 Arch Street  
Philadelphia, PA 19103

(9 VAC 5-50-50 of State Regulations)

**GENERAL CONDITIONS**

20. **Permit Invalidation** - This permit to construct and operate shall become invalid, unless an extension is granted by the DEQ, if:

- a. A program of continuous construction is not commenced before the latest of the following:
  - i. 18 months from the date of this permit;
  - ii. Nine months from the date that the last permit or other authorization was issued from any other governmental agency;
  - iii. Nine months from the date of the last resolution of any litigation concerning any such permits or authorization; or
- b. A program of construction is discontinued for a period of 18 months or more, or is not completed within a reasonable time, except for a DEQ approved period between phases of a phased construction project.

(9 VAC 5-80-10 K)

21. **Right of Entry** - The permittee shall allow authorized local, state, and federal representatives, upon the presentation of credentials:

- a. To enter upon the permittee's premises on which the facility is located or in which any records are required to be kept under the terms and conditions of this permit;
- b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit or the State Air Pollution Control Board Regulations;
- c. To inspect at reasonable times any facility, equipment, or process subject to the terms and conditions of this permit or the State Air Pollution Control Board Regulations; and
- d. To sample or test at reasonable times.

For purposes of this condition, the time for inspection shall be deemed reasonable during regular business hours or whenever the facility is in operation. Nothing contained herein shall make an inspection time unreasonable during an emergency.

(9 VAC 5-170-130)



22. **Notification for Facility or Control Equipment Malfunction** - The permittee shall furnish notification to the Director, Tidewater Regional Office of malfunctions of the affected facility or related air pollution control equipment that may cause excess emissions for more than one hour, by facsimile transmission, telephone or telegraph. Such notification shall be made as soon as practicable but not later than four daytime business hours of the malfunction. The permittee shall provide a written statement giving all pertinent facts, including the estimated duration of the breakdown, within 14 days of the occurrence. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the permittee shall notify Director, Tidewater Regional Office in writing.  
(9 VAC 5-20-180 C)
23. **Violation of Ambient Air Quality Standard** - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.  
(9 VAC 5-20-180 I)
24. **Maintenance/Operating Procedures** - The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:
- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.
  - b. Maintain an inventory of spare parts.
  - c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
  - d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.  
(9 VAC 5-50-20 E)

25. **Permit Suspension/Revocation** - This permit may be suspended or revoked if the permittee:
- a. Knowingly makes material misstatements in the application for this permit or any amendments to it;
  - b. Fails to comply with the conditions of this permit;
  - c. Fails to comply with any emission standards applicable to the equipment listed in Condition 2;
  - d. Causes emissions from this facility which result in violations of, or interferes with the attainment and maintenance of, any ambient air quality standard;
  - e. Fails to operate this facility in conformance with any applicable control strategy, including any emission standards or emission limitations, in the State Implementation Plan in effect on the date that the application for this permit is submitted;
  - f. Fails to construct or operate this facility in accordance with the application for this permit or any amendments to it; or
  - g. Allows the permit to become invalid.
- (9 VAC 5-80-10 K)
26. **Change of Ownership** - In the case of a transfer of ownership of a stationary source, the new owner shall abide by any current permit issued to the previous owner. The new owner shall notify the Director, Tidewater Regional Office of the change in ownership within 30 days of the transfer.  
(9 VAC 5-80-10 O)
27. **Registration/Update** - Annual requirements to fulfill legal obligations to maintain current stationary source emissions data will necessitate a prompt response by the permittee to requests by the DEQ or the Board for information to include, as appropriate: process and production data; changes in control equipment; and operating schedules. Such requests for information from the DEQ will either be in writing or by personal contact. The availability of information submitted to the DEQ or the Board will be governed by applicable provisions of the Freedom of Information Act, §§ 2.1-340 through 2.1-348 of the Code of Virginia, § 10.1-1314 (addressing information provided to the Board) of the Code of Virginia, and 9 VAC 5-170-60 of the State Air Pollution Control Board Regulations. Information provided to federal officials is subject to appropriate federal law and regulations governing confidentiality of such information.  
(9 VAC 5-170-60 and 9 VAC 5-20-160)
28. **Permit Copy** - The permittee shall keep a copy of this permit on the premises of the facility to which it applies.  
(9 VAC 5-170-160)



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

W. Tayloe Murphy, Jr.  
Secretary of Natural Resources

5636 Southern Boulevard  
Virginia Beach, VA 23462  
www.deq.state.va.us

Robert G. Burnley  
Director

Francis L. Daniel  
Tidewater Regional Director  
(757) 518-2000

October 10, 2002

Mr. Sean S. Heaney  
Director  
Technical Support Department  
Navy Public Works Center, Code 970  
9742 Maryland Avenue  
Norfolk, Virginia 23511-3095

Location: Norfolk  
Registration No.: 60941  
AIRS Id. No. 51-710-00194

Dear Mr. Heaney:

Attached is a permit to install and operate generators and fuel storage tanks in accordance with the provisions of the Commonwealth of Virginia State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all permit conditions carefully.

In the course of evaluating the application and arriving at a final decision to approve the project, the Department of Environmental Quality (DEQ) deemed the application complete on October 8, 2002.

This approval to install and operate shall not relieve Naval Station Norfolk of the responsibility to comply with all other local, state, and federal permit regulations.

The Board's Regulations as contained in Title 9 of the Virginia Administrative Code 5-170-200 provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this case decision notice was mailed or delivered to you. 9 VAC 5-170-180 provides that you may request direct consideration of the decision by the Board if the Director of the DEQ made the decision. Please consult the relevant regulations for additional requirements for such requests.

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date of service of this decision (the date you actually received this decision or the date on which it was mailed to you, whichever occurred first), within which to initiate an appeal of this decision by filing a Notice of Appeal with:

Robert G. Burnley, Director  
Department of Environmental Quality  
P. O. Box 10009  
Richmond, VA 23240-0009

In the event that this decision is served on you by mail, three days are added to the period in which to file an appeal. Please refer to Rule 2A of the Rules of the Supreme Court of Virginia for information on the required content of the Notice of Appeal and for additional requirements governing appeals from decision of administrative agencies.

If you have any questions concerning this permit, please call Ms. Linda Lightfoot at (757) 518-2005.

Sincerely,



William M. Cash-Robertson  
Regional Permit Manager

wmcrr/lkl/naulstationnorfolk60941octover2002min.doc

Attachment: Permit

- c. Director, OAPP (electronic file submission)  
Manager, Data Analysis (electronic file submission)



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

W. Tayloe Murphy, Jr.  
Secretary of Natural Resources

5636 Southern Boulevard  
Virginia Beach, VA 23462  
www.deq.state.va.us

Robert G. Burnley  
Director

Francis L. Daniel  
Tidewater Regional Director  
(757) 518-2000

### STATIONARY SOURCE PERMIT TO INSTALL AND OPERATE

**This permit includes designated equipment subject to  
New Source Performance Standards (NSPS).**

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia  
Regulations for the Control and Abatement of Air Pollution,

Naval Station Norfolk  
Navy Public Works Center, Code 970  
9742 Maryland Avenue  
Norfolk, Virginia 23511-3095  
Registration No. 60941  
AIRS Id. No.: 51-710-00194

is authorized to install and operate

generators and aboveground storage tanks  
Building W-143

located at

Naval Station Norfolk, Norfolk, Virginia

in accordance with the Conditions of this permit.

Approved on

October 10, 2002.

  
\_\_\_\_\_  
Director, Department of Environmental Quality

Permit consists of 7 pages.  
Permit Conditions 1 to 23.

**PERMIT CONDITIONS** - the regulatory reference or authority for each condition is listed in parentheses ( ) after each condition.

**APPLICATION**

1. Except as specified in this permit, the permitted facility is to be installed and operated as represented in the permit application dated August 9, 2002, including amendment information dated September 16, 2002. Any changes in the permit application specifications or any existing facilities which alter the impact of the facility on air quality may require a permit. Failure to obtain such a permit prior to construction may result in enforcement action.  
(9 VAC 5-50-390 and 9 VAC 5-80-1210 D)

**PROCESS REQUIREMENTS**

2. **Equipment List** - Equipment to be operated at this facility consists of:
  - four generators, each rated at 1,250 KW (ICGF-238, 239, 240, and 241)
  - one distillate oil storage tank, 16,000 gallons capacity (TNKA-500) (NSPS)
  - four distillate oil storage tanks, each 150 gallons capacity (TNKA-501, 502, 503, and 504)(9 VAC 5-80-1100)
3. **Volatile Organic Compounds** - Volatile organic compounds shall not be intentionally spilled, discarded to sewers, stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.  
(9 VAC 5-50-20)

**OPERATING/EMISSION LIMITATIONS**

4. **Operating Hours** - Each generator (ICGF-238, 239, 240, and 241) shall not operate more than 450 hours per year, calculated monthly as the sum of each consecutive 12-month period.  
(9 VAC 5-80-1180 and 9 VAC 5-50-260)
5. **Fuel** - The approved fuel for the generators and tanks is distillate oil. A change in the fuel may require a permit to modify and operate.  
(9 VAC 5-80-1100)
6. **Fuel** - The distillate oil shall meet the specifications below:  
DISTILLATE OIL which meets the ASTM specification for numbers 1 or 2 fuel oil:  
Maximum sulfur content per shipment: 0.5%  
(9 VAC 5-80-1100 and 9 VAC 5-50-260)

7. **Fuel Certification** - The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:

- a. The name of the fuel supplier;
- b. The date on which the distillate oil was received;
- c. The volume of distillate oil delivered in the shipment; and,
- d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications for numbers 1 or 2 fuel oil.

(9 VAC 5-170-160)

8. **Storage Tank Requirements** - The permittee shall keep readily accessible records showing the dimensions of tank TNKA-500, and an analysis showing the capacity of the storage vessel. These records shall be kept for the life of the storage vessel.

(9 VAC 5-80-1100, 9 VAC 5-50-400, and 9 VAC 5-50-410)

9. **Emission Limits** - Emissions from the operation of the generators shall not exceed the limits specified below:

	<u>EACH</u>	<u>COMBINED</u>
Particulate Matter	0.9 lbs/hr	0.8 tons/yr
PM-10	0.7 lbs/hr	0.7 tons/yr
Sulfur Dioxide	6.5 lbs/hr	5.8 tons/yr
Nitrogen Oxides (as NO <sub>2</sub> )	41.0 lbs/hr	36.9 tons/yr
Carbon Monoxide	10.8 lbs/hr	9.8 tons/yr
Volatile Organic Compounds	1.3 lbs/hr	1.2 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 4, 5, 6, and 10.

(9 VAC 5-50-260)

10. **Visible Emission Limit** - Visible emissions from the generators shall not exceed 10 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 20 percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.

(9 VAC 5-50-80 and 9 VAC 5-50-260)

- 11. Requirements by Reference** - Except where this permit is more restrictive than the applicable requirement, the NSPS equipment as described in Condition 2 shall be operated in compliance with the requirements of 40 CFR 60, Subpart Kb.  
(9 VAC 5-50-400 and 9 VAC 5-50-410)

## **RECORDS**

- 12. On Site Records** - The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:
- a. Annual hours of operation for each generator, calculated monthly as the sum of each consecutive 12-month period.
  - b. All fuel supplier certifications.
  - c. Scheduled and unscheduled maintenance, and operator training.
  - d. Records of tank dimensions and capacity for TNKA-500.
  - e. Inventory of spare parts.

These records shall be available for inspection by the DEQ and shall be current for the most recent five years.

(9 VAC 5-50-50)

- 13. Testing/Monitoring Ports** - The permitted facility shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. Test ports shall be provided when requested at the appropriate locations.  
(9 VAC 5-50-30 F)



## **NOTIFICATIONS**

14. **Initial Notifications** - The permittee shall furnish written notification to the Director, Tidewater Regional Office:
- a. The actual date on which installation of the generators and tanks commenced, within 30 days after such date.
  - b. The anticipated start-up date of the generators and tanks, postmarked not more than 60 days nor less than 30 days prior to such date.
  - c. The actual start-up date of the generators and tanks, within 15 days after such date.

Copies of the written notification referenced in items a through c above are to be sent to:

Associate Director  
Office of Air Enforcement (3AP10)  
U.S. Environmental Protection Agency  
Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

(9 VAC 5-50-50)

## **GENERAL CONDITIONS**

15. **Permit Invalidation** - This permit to install and operate the generators and tanks shall become invalid, unless an extension is granted by the DEQ, if:
- a. A program of continuous operation is not commenced before the latest of the following:
    - i. 18 months from the date of this permit;
    - ii. Nine months from the date that the last permit or other authorization was issued from any other governmental agency;
    - iii. Nine months from the date of the last resolution of any litigation concerning any such permits or authorization; or
  - b. A program of operation is discontinued for a period of 18 months or more, or is not completed within a reasonable time, except for a DEQ approved period between phases of a phased construction project.

(9 VAC 5-80-1210)

16. **Right of Entry** - The permittee shall allow authorized local, state, and federal representatives, upon the presentation of credentials:
- a. To enter upon the permittee's premises on which the facility is located or in which any records are required to be kept under the terms and conditions of this permit;
  - b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit or the State Air Pollution Control Board Regulations;
  - c. To inspect at reasonable times any facility, equipment, or process subject to the terms and conditions of this permit or the State Air Pollution Control Board Regulations; and

d. To sample or test at reasonable times.

For purposes of this condition, the time for inspection shall be deemed reasonable during regular business hours or whenever the facility is in operation. Nothing contained herein shall make an inspection time unreasonable during an emergency.

(9 VAC 5-170-130)

**17. Notification for Facility or Control Equipment Malfunction** - The permittee shall furnish notification to the Director, Tidewater Regional Office of malfunctions of the affected facility or related air pollution control equipment that may cause excess emissions for more than one hour, by facsimile transmission, telephone or telegraph. Such notification shall be made as soon as practicable but not later than four daytime business hours of the malfunction. The permittee shall provide a written statement giving all pertinent facts, including the estimated duration of the breakdown, within 14 days of the occurrence. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the permittee shall notify Director, Tidewater Regional Office in writing.  
(9 VAC 5-20-180 C)

**18. Violation of Ambient Air Quality Standard** - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.  
(9 VAC 5-20-180 I)

**19. Maintenance/Operating Procedures** - The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.
- b. Maintain an inventory of spare parts.
- c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
- d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.  
(9 VAC 5-50-20 E)

20. **Permit Suspension/Revocation** - This permit may be suspended or revoked if the permittee:
- a. Knowingly makes material misstatements in the application for this permit or any amendments to it;
  - b. Fails to comply with the conditions of this permit;
  - c. Fails to comply with any emission standards applicable to the equipment listed in Condition 2;
  - d. Causes emissions from this facility which result in violations of, or interferes with the attainment and maintenance of, any ambient air quality standard;
  - e. Fails to operate this facility in conformance with any applicable control strategy, including any emission standards or emission limitations, in the State Implementation Plan in effect on the date that the application for this permit is submitted;
  - f. Fails to operate or operate this facility in accordance with the application for this permit or any amendments to it; or
  - g. Allows the permit to become invalid.
- (9 VAC 5-80-1210)
21. **Change of Ownership** - In the case of a transfer of ownership of a stationary source, the new owner shall abide by any current permit issued to the previous owner. The new owner shall notify the Director, Tidewater Regional Office of the change of ownership within 30 days of the transfer.
- (9 VAC 5-80-1240)
22. **Registration/Update** - Annual requirements to fulfill legal obligations to maintain current stationary source emissions data will necessitate a prompt response by the permittee to requests by the DEQ or the Board for information to include, as appropriate: process and production data; changes in control equipment; and operating schedules. Such requests for information from the DEQ will either be in writing or by personal contact. The availability of information submitted to the DEQ or the Board will be governed by applicable provisions of the Freedom of Information Act, §§ 2.1-340 through 2.1-348 of the Code of Virginia, § 10.1-1314 (addressing information provided to the Board) of the Code of Virginia, and 9 VAC 5-170-60 of the State Air Pollution Control Board Regulations. Information provided to federal officials is subject to appropriate federal law and regulations governing confidentiality of such information.
- (9 VAC 5-170-60 and 9 VAC 5-20-160)
23. **Permit Copy** - The permittee shall keep a copy of this permit on the premises of the facility to which it applies.
- (9 VAC 5-170-160)



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

W. Taylor Murphy, Jr.  
Secretary of Natural Resources

5636 Southern Boulevard  
Virginia Beach, VA 23462  
[www.deq.state.va.us](http://www.deq.state.va.us)

Robert G. Burnley  
Director

Francis L. Daniel  
Tidewater Regional Director  
(757) 518-2000

February 5, 2003

Mr. Sean S. Heaney  
Director  
Technical Support Department  
Navy Public Works Center, Code 970  
9742 Maryland Avenue  
Norfolk, Virginia 23511-3095

Location: Norfolk  
Registration No.: 60941  
AIRS Id. No.: 51-710-00194

Dear Mr. Heaney:

Attached is a permit to construct and operate two paint booths and three natural gas-fired boilers in accordance with the provisions of the Commonwealth of Virginia State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all permit conditions carefully.

In the course of evaluating the application and arriving at a final decision to approve the project, the Department of Environmental Quality (DEQ) deemed the application complete on December 10, 2002.

This approval to construct and operate shall not relieve Naval Station Norfolk of the responsibility to comply with all other local, state, and federal permit regulations.

The Board's Regulations as contained in Title 9 of the Virginia Administrative Code 5-170-200 provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this case decision notice was mailed or delivered to you. 9 VAC 5-170-180 provides that you may request direct consideration of the decision by the Board if the Director of the DEQ made the decision. Please consult the relevant regulations for additional requirements for such requests.

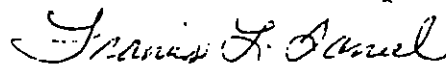
As provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date of service of this decision (the date you actually received this decision or the date on which it was mailed to you, whichever occurred first), within which to initiate an appeal of this decision by filing a Notice of Appeal with:

Robert G. Burnley, Director  
Department of Environmental Quality  
P. O. Box 10009  
Richmond, VA 23240-0009

In the event that this decision is served on you by mail, three days are added to the period in which to file an appeal. Please refer to Rule 2A of the Rules of the Supreme Court of Virginia for information on the required content of the Notice of Appeal and for additional requirements governing appeals from decision of administrative agencies.

If you have any questions concerning this permit, please call Ms. Linda Lightfoot at (757) 518-2005.

Sincerely,



Francis L. Daniel

fld/lkl/naulstationnorfolk60941jan2003min

Attachment: Permit

- c. Director, OAPP (electronic file submission)
- Manager, Data Analysis (electronic file submission)
- Chief, Air Enforcement Branch (3API3), U.S. EPA, Region III



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

W. Tayloe Murphy, Jr.  
Secretary of Natural Resources

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Virginia Beach, VA 23462  
www.deq.state.va.us

Robert G. Burnley  
Director

Francis L. Daniel  
Tidewater Regional Director  
(757) 518-2000

### STATIONARY SOURCE PERMIT TO CONSTRUCT AND OPERATE

**This permit includes designated equipment subject to  
National Emission Standards for Hazardous Air Pollutants for Source Categories.**

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia  
Regulations for the Control and Abatement of Air Pollution,

Naval Station Norfolk  
Navy Public Works Center, Code 970  
9742 Maryland Avenue  
Norfolk, Virginia 23511-3095  
Registration No.: 60941  
AIRS Id. No.: 51-710-00194

is authorized to construct and operate

two paint booths

located at

Naval Station Norfolk  
Intersection of Warehouse Street and Golf Taxi Way, A/C Parking Apron

in accordance with the conditions of this permit.

Approved on February 5, 2003.

  
Director, Department of Environmental Quality

Permit consists of 7 pages.  
Permit Conditions 1 to 21.

**PERMIT CONDITIONS** - the regulatory reference or authority for each condition is listed in parentheses ( ) after each condition.

**APPLICATION**

1. Except as specified in this permit, the permitted facility is to be constructed and operated as represented in the permit application dated October 15, 2002, including amendment information dated December 10, 2002. Any changes in the permit application specifications or any existing facilities which alter the impact of the facility on air quality may require a permit. Failure to obtain such a permit prior to construction may result in enforcement action.  
(9 VAC 5-50-390 and 9 VAC 5-80-1210 D)

**PROCESS REQUIREMENTS**

2. **Equipment List** - Equipment to be constructed at this facility consists of:
  - two paint booths (PNTS-122 and PNTS-123) (*MACT Subpart GG*)
  - three natural gas-fired boilers, each rated at 1.4 million Btu/hr  
(9 VAC 5-80-1100)
3. **Particulate Emission Controls** - Particulate emissions from the spray booths shall be controlled by paint arrest filters. The paint arrest filters shall be provided with adequate access for inspection and shall be in operation when the paint booths are operating.  
(9 VAC 5-50-260)
4. **VOC Emission Controls** - Volatile organic compounds shall not be intentionally spilled, discarded to sewers, stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions. The handling and transfer of primers and topcoats to or from containers, tanks, vats, vessels, and piping systems shall be conducted in a manner that minimizes spills.  
(9 VAC 5-50-260, 9 VAC 5-50-90, 9 VAC 5-60-100, and 40 CFR 63.745 (b))

**OPERATING/EMISSION LIMITATIONS**

5. **Requirements by Reference** - Except where this permit is more restrictive than the applicable requirement, the MACT equipment as described in Condition 2 shall be operated in compliance with the requirements of 40 CFR 63, Subpart GG.  
(9 VAC 5-60-100 and 40 CFR 63.745 (c))

6. **Throughput** - The throughput of coatings to PNTS-122 shall not exceed 100 gallons per year, calculated monthly as the sum of each consecutive 12-month period. The throughput of coatings to PNTS-123 shall not exceed 8 gallons per year, calculated monthly as the sum of each consecutive 12-month period.  
(9 VAC 5-80-1180)
7. **Emission Limits** - Emissions from the operation of the paint booths shall not exceed the limits specified below:

PNTS-122

PM / PM10	2.9 lbs/hr	12.7 tons/yr
Volatile Organic Compounds	1.1 lbs/hr	4.8 tons/yr

PNTS-123

Volatile Organic Compounds	0.6 lbs/hr	2.6 tons/yr
----------------------------	------------	-------------

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 5 and 6.

(9 VAC 5-50-260)

8. **Visible Emission Limit** - Visible emissions from each spray booth shall not exceed 5 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.  
(9 VAC 5-50-80 and 9 VAC 5-50-260)

RECORDS

9. **On Site Records** - The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Tidewater Regional Office. These records shall include, but are not limited to:
- Monthly and annual throughput (in gallons) at each spray booth. Annual throughput shall be calculated monthly as the sum of each consecutive 12-month period.
  - Material Safety Data Sheets (MSDS) or other vendor information showing VOC content and HAP content for each coating used.
  - Records as applicable to ensure compliance with the requirements of 40 CFR 63.752.

These records shall be available for inspection by the DEQ and shall be current for at least the most recent five years.

(9 VAC 5-50-50)



10. **Testing/Monitoring Ports** - The permitted facility shall be constructed so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. Test ports shall be provided when requested at the appropriate locations.  
(9 VAC 5-50-30 F)

### **NOTIFICATIONS**

11. **Initial Notifications** - The permittee shall furnish written notification to the Director, Tidewater Regional Office, of:
- a. The actual date on which construction of the paint booths commenced within 30 days after such date.
  - b. The anticipated start-up date of the paint booths postmarked not more than 60 days nor less than 30 days prior to such date.
  - c. The actual start-up date of the paint booths within 15 days after such date.

Copies of the written notification referenced in items a through c above are to be sent to:

Associate Director  
Office of Air Enforcement (3AP10)  
U.S. Environmental Protection Agency  
Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

(9 VAC 5-50-50)

### **GENERAL CONDITIONS**

12. **Permit Invalidation** - This permit to construct the Project P-280 paint booths shall become invalid, unless an extension is granted by the DEQ, if:
- a. A program of continuous construction is not commenced before the latest of the following:
    - i. 18 months from the date of this permit;
    - ii. Nine months from the date that the last permit or other authorization was issued from any other governmental agency;
    - iii. Nine months from the date of the last resolution of any litigation concerning any such permits or authorization; or
  - b. A program of construction is discontinued for a period of 18 months or more, or is not completed within a reasonable time, except for a DEQ approved period between phases of a phased construction project.
- (9 VAC 5-80-1210)

13. **Right of Entry** - The permittee shall allow authorized local, state, and federal representatives, upon the presentation of credentials:
  - a. To enter upon the permittee's premises on which the facility is located or in which any records are required to be kept under the terms and conditions of this permit;
  - b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit or the State Air Pollution Control Board Regulations;
  - c. To inspect at reasonable times any facility, equipment, or process subject to the terms and conditions of this permit or the State Air Pollution Control Board Regulations; and
  - d. To sample or test at reasonable times.For purposes of this condition, the time for inspection shall be deemed reasonable during regular business hours or whenever the facility is in operation. Nothing contained herein shall make an inspection time unreasonable during an emergency.  
(9 VAC 5-170-130)
14. **Notification for Control Equipment Maintenance** - The permittee shall furnish notification to the Tidewater Regional Office of the intention to shut down or bypass, or both, air pollution control equipment for necessary scheduled maintenance, which results in excess emissions for more than one hour, at least 24 hours prior to the shutdown. The notification shall include, but is not limited to, the following information:
  - a. Identification of the air pollution control equipment to be taken out of service, as well as its location, and registration number;
  - b. The expected length of time that the air pollution control equipment will be out of service;
  - c. The nature and quantity of emissions of air pollutants likely to occur during the shutdown period;
  - d. Measures that will be taken to minimize the length of the shutdown or to negate the effect of the outage.(9 VAC 5-20-180 B)
15. **Notification for Facility or Control Equipment Malfunction** - The permittee shall furnish notification to the Tidewater Regional Office of malfunctions of the affected facility or related air pollution control equipment that may cause excess emissions for more than one hour, by facsimile transmission, telephone or telegraph. Such notification shall be made as soon as practicable but not later than four daytime business hours of the malfunction. The permittee shall provide a written statement giving all pertinent facts, including the estimated duration of the breakdown, within 14 days of the occurrence. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the permittee shall notify Tidewater Regional Office in writing.  
(9 VAC 5-20-180 C)
16. **Violation of Ambient Air Quality Standard** - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.  
(9 VAC 5-20-180 I)

17. **Maintenance/Operating Procedures** - The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:
- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance for PNTS-122 and PNTS-123.
  - b. Maintain an inventory of spare parts for PNTS-122 and PNTS-123
  - c. Have available written operating procedures for PNTS-122 and PNTS-123 equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
  - d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.

(9 VAC 5-50-20 E)

18. **Permit Suspension/Revocation** - This permit may be suspended or revoked if the permittee:
- a. Knowingly makes material misstatements in the application for this permit or any amendments to it;
  - b. Fails to comply with the conditions of this permit;
  - c. Fails to comply with any emission standards applicable to the equipment listed in Condition 2;
  - d. Causes emissions from this facility which result in violations of, or interferes with the attainment and maintenance of, any ambient air quality standard;
  - e. Fails to operate this facility in conformance with any applicable control strategy, including any emission standards or emission limitations, in the State Implementation Plan in effect on the date that the application for this permit is submitted;
  - f. Fails to construct or operate this facility in accordance with the application for this permit or any amendments to it; or
  - g. Allows the permit to become invalid.

(9 VAC 5-80-1210)

19. **Change of Ownership** - In the case of a transfer of ownership of a stationary source, the new owner shall abide by any current permit issued to the previous owner. The new owner shall notify the Tidewater Regional Office of the change of ownership within 30 days of the transfer.

(9 VAC 5-80-1240)

20. **Registration/Update** - Annual requirements to fulfill legal obligations to maintain current stationary source emissions data will necessitate a prompt response by the permittee to requests by the DEQ or the Board for information to include, as appropriate: process and production data; changes in control equipment; and operating schedules. Such requests for information from the DEQ will either be in writing or by personal contact. The availability of information submitted to the DEQ or the Board will be governed by applicable provisions of the Freedom of Information Act, §§ 2.1-340 through 2.1-348 of the Code of Virginia, § 10.1-1314 (addressing information provided to the Board) of the Code of Virginia, and 9 VAC 5-170-60 of the State Air Pollution Control Board Regulations. Information provided to federal officials is subject to appropriate federal law and regulations governing confidentiality of such information.  
(9 VAC 5-170-60 and 9 VAC 5-20-160)
21. **Permit Copy** - The permittee shall keep a copy of this permit on the premises of the facility to which it applies.  
(9 VAC 5-170-160)



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

W. Tayloe Murphy, Jr.  
Secretary of Natural Resources

5636 Southern Boulevard  
Virginia Beach, VA 23462  
www.deq.state.va.us

Robert G. Burnley  
Director

Francis L. Daniel  
Tidewater Regional Director  
(757) 518-2000

June 13, 2003

Mr. Sean S. Heaney  
Director, Technical Support Department  
Commander, Navy Region Mid-Atlantic Regional Engineer  
6505 Hampton Blvd.  
Norfolk, Virginia 23508-1273

Location: Norfolk  
Registration No.: 60941  
AFS Id. No. 51-710-00194

Dear Mr. Heaney:

Attached is an amendment to the permit dated May 5, 1997 to modify and operate four diesel engine generator sets in accordance with the provisions of the Commonwealth of Virginia State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution. This permit supersedes your permit dated May 5, 1997.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all permit conditions carefully.

In the course of evaluating the application and arriving at a final decision to approve the project, the Department of Environmental Quality (DEQ) deemed the application complete on May 7, 2003.

This permit amendment approval shall not relieve Naval Station Norfolk of the responsibility to comply with all other local, state, and federal permit regulations.

The Board's Regulations as contained in Title 9 of the Virginia Administrative Code 5-170-200 provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this case decision notice was mailed or delivered to you. 9 VAC 5-170-180 provides that you may request direct consideration of the decision by the Board if the Director of the DEQ made the decision. Please consult the relevant regulations for additional requirements for such requests.

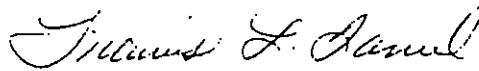
As provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date of service of this decision (the date you actually received this decision or the date on which it was mailed to you, whichever occurred first), within which to initiate an appeal of this decision by filing a Notice of Appeal with:

Robert G. Burnley, Director  
Department of Environmental Quality  
P. O. Box 10009  
Richmond, VA 23240-0009

In the event that this decision is served on you by mail, three days are added to the period in which to file an appeal. Please refer to Rule 2A of the Rules of the Supreme Court of Virginia for information on the required content of the Notice of Appeal and for additional requirements governing appeals from decision of administrative agencies.

If you have any questions concerning this permit, please call Ms. Linda Lightfoot at (757) 518-2000.

Sincerely,



Francis L. Daniel

fld/lkj/naionalstationnorfolk60941generatorsjune2003min

Attachment: Permit

- c. Director, OAPP (electronic file submission)
- Manager, Data Analysis (electronic file submission)



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

W. Tayloe Murphy, Jr.  
Secretary of Natural Resources

5636 Southern Boulevard  
Virginia Beach, VA 23462  
www.deq.state.va.us

Robert G. Burnley  
Director

Francis L. Daniel  
Tidewater Regional Director  
(757) 518-2000

### STATIONARY SOURCE PERMIT TO MODIFY AND OPERATE

This permit supersedes the permit dated May 5, 1997.

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution,

Naval Station Norfolk  
9742 Maryland Avenue  
Norfolk, Virginia 23511-3095  
Registration No.: 60941  
AFS Id. No.: 51-710-00194

is authorized to modify and operate

four diesel engine generator sets for emergency power generation,  
and peak electrical demand shaving

located at

U.S. Naval Station Norfolk, Headquarters Support Activity (Building NH-94)  
Hampton Boulevard at Helmick Street, Norfolk, Virginia

in accordance with the Condition of this permit.

Approved on June 13, 2003.

  
\_\_\_\_\_  
Director, Department of Environmental Quality (for)

Permit consists of 7 pages.  
Permit Conditions 1 to 21.

**PERMIT CONDITIONS** - the regulatory reference or authority for each condition is listed in parentheses ( ) after each condition.

**APPLICATION**

1. Except as specified in this permit, the permitted facility is to be modified and operated as represented in the permit application dated December 13, 1996, including amendment information dated December 16, 1996, February 7, 1997, and March 12, 2003. Any changes in the permit application specifications or any existing facilities which alter the impact of the facility on air quality may require a permit. Failure to obtain such a permit prior to construction may result in enforcement action.  
(9 VAC 5-50-390 and 9 VAC 5-80-1210 D)

**PROCESS REQUIREMENTS**

2. **Equipment List** - Previously permitted equipment at this facility prior to the date of this permit consists of:
  - three 2,000 kilowatt diesel engine generator sets (Caterpillar, EMD, and Alco/Kato), each rated at 21.1 million Btu per hour maximum heat input capacity (ICGF-094, ICGF-095, and ICGF-096); and
  - one 1,000 kilowatt diesel engine generator set (EMD), rated at 10.5 million Btu per hour maximum heat input capacity (ICGF-097).  
(9 VAC 5-80-1100)

**OPERATING/EMISSION LIMITATIONS**

3. **Fuel** - The approved fuel for each engine generator set is distillate oil. A change in the fuel may require a permit to modify and operate.  
(9 VAC 5-80-1180)
4. **Fuel Throughput** - The four engine generator sets, combined, shall consume no more than 300,000 gallons of distillate oil per year, calculated monthly as the sum of each consecutive 12-month period.  
(9 VAC 5-80-1180 and 9 VAC 5-50-260)
5. **Fuel** - The distillate oil shall meet the specifications below:  
  
DISTILLATE OIL which meets the ASTM specification for numbers 1 or 2 fuel oil:  
Maximum sulfur content per shipment: 0.5%  
(9 VAC 5-80-1180)



6. **Fuel Certification** - The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:

- a. The name of the fuel supplier;
- b. The date on which the distillate oil was received;
- c. The volume of distillate oil delivered in the shipment;
- d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications for numbers 1 or 2 fuel oil.

(9 VAC 5-170-160)

7. **Emission Limits** - Emissions from the operation of the each generator set (ICGF-094, ICGF-095, and ICGF-096) shall not exceed the limits specified below:

Particulate Matter	1.5 lbs/hr
PM-10	1.5 lbs/hr
Sulfur Dioxide	10.5 lbs/hr
Nitrogen Oxides (as NO <sub>2</sub> )	65.3 lbs/hr
Carbon Monoxide	17.1 lbs/hr
Volatile Organic Compounds	1.9 lbs/hr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 3, 4, 5, and 6.

(9 VAC 5-50-260)

8. **Emission Limits** - Emissions from the operation of the generator set (ICGF-097) shall not exceed the limits specified below:

Particulate Matter	0.7 lbs/hr
PM-10	0.7 lbs/hr
Sulfur Dioxide	5.3 lbs/hr
Nitrogen Oxides (as NO <sub>2</sub> )	32.6 lbs/hr
Carbon Monoxide	8.5 lbs/hr
Volatile Organic Compounds	0.9 lbs/hr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 3, 4, 5, and 6.

(9 VAC 5-50-260)

9. **Emission Limits** - Emissions from the operation of the four generator sets (ICGF-094, ICGF-095, ICGF-096, and ICGF-097), combined, shall not exceed the limits specified below:

Particulate Matter	1.4 tons/yr
PM-10	1.0 tons/yr
Sulfur Dioxide	10.4 tons/yr
Nitrogen Oxides (as NO <sub>2</sub> )	65.8 tons/yr
Carbon Monoxide	17.5 tons/yr
Volatile Organic Compounds	1.7 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 3, 4, 5, and 6.

(9 VAC 5-50-260)

10. **Visible Emission Limit** - Visible emissions from each engine generator set (ICGF-094, ICGF-095, ICGF-096, and ICGF-097) shall not exceed 15 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 20 percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.

(9 VAC 5-50-80 and 9 VAC 5-50-260)

## **RECORDS**

11. **On Site Records** - The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Tidewater Regional Office. These records shall include, but are not limited to:

- Annual throughput of diesel fuel for the generator sets, combined, calculated monthly as the sum of each consecutive 12-month period.
- All fuel supplier certifications.
- Scheduled and unscheduled maintenance, and operator training.

These records shall be available for inspection by the DEQ and shall be current for the most recent five years.

(9 VAC 5-50-50)

12. **Testing/Monitoring Ports** - The permitted facility shall be constructed so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. Test ports shall be provided when requested at the appropriate locations.

(9 VAC 5-50-30 F)

**GENERAL CONDITIONS**

13. **Permit Invalidation** - This permit to modify the generator sets (ICGF-094, ICGF-095, ICGF-096, and ICGF-097) shall become invalid, unless an extension is granted by the DEQ, if:

- a. A program of continuous modification is not commenced before the latest of the following:
  - i. 18 months from the date of this permit;
  - ii. Nine months from the date that the last permit or other authorization was issued from any other governmental agency;
  - iii. Nine months from the date of the last resolution of any litigation concerning any such permits or authorization; or
- b. A program of modification is discontinued for a period of 18 months or more, or is not completed within a reasonable time, except for a DEQ approved period between phases of a phased construction project.

(9 VAC 5-80-1210)

14. **Right of Entry** - The permittee shall allow authorized local, state, and federal representatives, upon the presentation of credentials:

- a. To enter upon the permittee's premises on which the facility is located or in which any records are required to be kept under the terms and conditions of this permit;
- b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit or the State Air Pollution Control Board Regulations;
- c. To inspect at reasonable times any facility, equipment, or process subject to the terms and conditions of this permit or the State Air Pollution Control Board Regulations; and
- d. To sample or test at reasonable times.

For purposes of this condition, the time for inspection shall be deemed reasonable during regular business hours or whenever the facility is in operation. Nothing contained herein shall make an inspection time unreasonable during an emergency.

(9 VAC 5-170-130)

15. **Notification for Facility or Control Equipment Malfunction** - The permittee shall furnish notification to the Tidewater Regional Office of malfunctions of the affected facility or related air pollution control equipment that may cause excess emissions for more than one hour, by facsimile transmission, telephone or telegraph. Such notification shall be made as soon as practicable but not later than four daytime business hours after the malfunction is discovered. The permittee shall provide a written statement giving all pertinent facts, including the estimated duration of the breakdown, within two weeks of discovery of the malfunction. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the permittee shall notify Tidewater Regional Office in writing.

(9 VAC 5-20-180 C)

16. **Violation of Ambient Air Quality Standard** - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.

(9 VAC 5-20-180 I)

17. **Maintenance/Operating Procedures** - The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.
- b. Maintain an inventory of spare parts.
- c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
- d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.

(9 VAC 5-50-20 E)

18. **Permit Suspension/Revocation** - This permit may be suspended or revoked if the permittee:

- a. Knowingly makes material misstatements in the application for this permit or any amendments to it;
- b. Fails to comply with the conditions of this permit;
- c. Fails to comply with any emission standards applicable to the equipment listed in Condition 2;
- d. Causes emissions from this facility which result in violations of, or interferes with the attainment and maintenance of, any ambient air quality standard;
- e. Fails to operate this facility in conformance with any applicable control strategy, including any emission standards or emission limitations, in the State Implementation Plan in effect on the date that the application for this permit is submitted;
- f. Fails to Construct or operate this facility in accordance with the application for this permit or any amendments to it; or
- g. Allows the permit to become invalid.

(9 VAC 5-80-1210)

19. **Change of Ownership** - In the case of a transfer of ownership of a stationary source, the new owner shall abide by any current permit issued to the previous owner. The new owner shall notify the Tidewater Regional Office of the change of ownership within 30 days of the transfer.

(9 VAC 5-80-1240)

20. **Registration/Update** - Annual requirements to fulfill legal obligations to maintain current stationary source emissions data will necessitate a prompt response by the permittee to requests by the DEQ or the Board for information to include, as appropriate: process and production data; changes in control equipment; and operating schedules. Such requests for information from the DEQ will either be in writing or by personal contact. The availability of information submitted to the DEQ or the Board will be governed by applicable provisions of the Freedom of Information Act, §§ 2.1-340 through 2.1-348 of the Code of Virginia, § 10.1-1314 (addressing information provided to the Board) of the Code of Virginia, and 9 VAC 5-170-60 of the State Air Pollution Control Board Regulations. Information provided to federal officials is subject to appropriate federal law and regulations governing confidentiality of such information.  
(9 VAC 5-170-60 and 9 VAC 5-20-160)

21. **Permit Copy** - The permittee shall keep a copy of this permit on the premises of the facility to which it applies.  
(9 VAC 5-170-160)



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

W. Tayloe Murphy, Jr.  
Secretary of Natural Resources

5636 Southern Boulevard  
Virginia Beach, VA 23462  
www.deq.state.va.us

Robert G. Burnley  
Director

Francis L. Daniel  
Tidewater Regional Director  
(757) 518-2000

July 12, 2005

Sean S. Heaney  
Director, Technical Support  
Commander, Navy Region Mid-Atlantic  
1510 Gilbert Street  
Norfolk, Virginia 23511-2737

Location: Norfolk  
Registration No.: 60941  
Id. No. 51-710-00194

Dear Mr. Heaney:

Enclosed is a permit to construct and operate a helicopter paint/depaint facility in accordance with the provisions of the Commonwealth of Virginia State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all permit conditions carefully.

In the course of evaluating the application and arriving at a final decision to approve the project, the Department of Environmental Quality (DEQ) deemed the application complete on June 23, 2005.

This approval to construct and operate shall not relieve Naval Station Norfolk of the responsibility to comply with all other local, state, and federal permit regulations.

The Board's Regulations as contained in Title 9 of the Virginia Administrative Code 5-170-200 provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this case decision notice was mailed or delivered to you. 9 VAC 5-170-180 provides that you may request direct consideration of the decision by the Board if the Director of the DEQ made the decision. Please consult the relevant regulations for additional requirements for such requests.

"New"  
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As provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date of service of this decision (the date you actually received this decision or the date on which it was mailed to you, whichever occurred first), within which to initiate an appeal of this decision by filing a Notice of Appeal with:


Robert G. Burnley, Director  
Department of Environmental Quality  
P. O. Box 10009  
Richmond, VA 23240-0009

In the event that this decision is served on you by mail, three days are added to the period in which to file an appeal. Please refer to Rule 2A of the Rules of the Supreme Court of Virginia for information on the required content of the Notice of Appeal and for additional requirements governing appeals from decisions of administrative agencies.

As a major source subject to the New Source Review Program, you must submit a complete application to obtain a permit or permit revision under 9 VAC 5, Chapter 80, Article 1 (Federal Operating Permits for Stationary Sources). **This application must be submitted within 12 months after commencing operation permitted by the New Source Review program.** If an existing Title V Federal Operating Permit prohibits the construction or change in operation requested under the New Source Review program, you must obtain a permit revision to the Title V permit **before commencing operation.** The application to obtain a Title V permit or permit revision may be submitted concurrently with the application under the New Source Review program.

If you have any questions concerning this permit, please call Ms. Linda Lightfoot at (757) 518-2005.

Sincerely,



Francis L. Daniel

fld/kl/minor permits/naval station norfolk 60941 july 2005 min

encl: Permit

cc: Director, OAPP (electronic file submission)



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

W. Tayloe Murphy, Jr.  
Secretary of Natural Resources

5636 Southern Boulevard  
Virginia Beach, VA 23462  
www.deq.state.va.us

Robert G. Burnley  
Director

Francis L. Daniel  
Tidewater Regional Director  
(757) 518-2000

### STATIONARY SOURCE PERMIT TO CONSTRUCT AND OPERATE

**This permit includes designated equipment subject to  
National Emission Standards for Hazardous Air Pollutants for Source Categories.**

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia  
Regulations for the Control and Abatement of Air Pollution,

Naval Station Norfolk  
Commander, Navy Region, Mid-Atlantic  
1510 Gilbert Street  
Norfolk, Virginia 23511-2737  
Registration No.: 60941  
Id. No.: 51-710-00194

is authorized to construct and operate

a helicopter paint/depaint facility

located at

Building V-146  
Naval Station Norfolk  
Norfolk, Virginia

in accordance with the Conditions of this permit.

Approved on July 12, 2005.

 (for)  
Director, Department of Environmental Quality

Permit consists of 7 pages.  
Permit Conditions 1 to 26.



**PERMIT CONDITIONS** - the regulatory reference or authority for each condition is listed in parentheses ( ) after each condition.

**APPLICATION**

1. Except as specified in this permit, the permitted facility is to be constructed and operated as represented in the permit application dated April 21, 2005, including amendment information dated May 17, 2005 and June 23, 2005. Any changes in the permit application specifications or any existing facilities which alter the impact of the facility on air quality may require a permit. Failure to obtain such a permit prior to construction may result in enforcement action.  
(9 VAC 5-50-390 and 9 VAC 5-80-1210 D)

**PROCESS REQUIREMENTS**

2. **Equipment List** - Equipment to be constructed at this facility consists of:
  - one helicopter blast booth (ABRA-109)
  - one helicopter paint booth (PNTS-124) (*NESHAP, 40 CFR 63 Subpart GG*)  
(9 VAC 5-80-1100)
3. **Emission Controls** - Particulate emissions from the spray booth shall be controlled by a HEPA filter. Particulate emissions from the abrasive blast booth shall be controlled by a cartridge filter. The filters shall be provided with adequate access for inspection and shall be in operation when the applicable process (paint booth or blast booth) is operating.  
(9 VAC 5-50-260)
4. **VOC emission Controls** - Volatile Organic Compounds shall not be intentionally spilled, discarded to sewers, stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions. The handling and transfer of primers and topcoats to or from containers, tanks, vats, vessels, and piping systems shall be conducted in a manner that minimizes spills.  
(9 VAC 5-50-260, 9 VAC 5-50-20, 9 VAC 5-60-100, and 40 CFR 63.745(b))
5. **Monitoring Devices** - The HEPA filter for the paint booth shall be equipped with a device to measure the pressure drop across the filter. The monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when the paint booth is operating.  
(9 VAC 5-80-1180, 9 VAC 5-50-20 C and 9 VAC 5-50-260)

6. **Monitoring Device Observation** - The monitoring device used to measure pressure drop across the paint booth (PNTS-124) HEPA filter shall be observed by the permittee with a frequency of not less than once per week on weeks when the paint booth is in operation to ensure good performance of the HEPA filter. The permittee shall keep a log of the observations from the monitoring device, including date, time, observation made, and name of observer.  
(9 VAC 5-50-50 H)
7. **Visible Emissions Check** - The permittee shall monitor the paint booth (PNTS-124) HEPA filter for visible emissions while particulate is being controlled. The monitoring frequency shall be once each month when the paint booth is in operation. The presence of visible emissions shall indicate the need for prompt corrective action. The permittee shall keep a log of the observations, including date, time, observation made, corrective actions performed (if needed), and name of observer.  
(9 VAC 5-50-50 H)

#### **OPERATING/EMISSION LIMITATIONS**

8. **Requirements by Reference** - Except where this permit is more restrictive than the applicable requirement, the NESHAP equipment as described in Condition 2 shall be operated in compliance with the requirements of 40 CFR 63, Subpart GG (Aerospace Manufacturing and Rework Facilities).  
(9 VAC 5-60-100 and 40 CFR 63.741)
9. **Throughput** - The throughput of coatings to PNTS-124 shall not exceed 972 gallons per year, calculated monthly as the sum of each consecutive 12-month period.  
(9 VAC 5-80-1180)
10. **VOC Content** - The VOC content of coatings to PNTS-124 shall not exceed the following limits:  
Primers: 2.9 lbs/gallon (less water and exempt solvents) as applied  
Topcoats: 3.5 lbs/gallon (less water and exempt solvents) as applied.  
(9 VAC 5-80-1180, 9 VAC 5-50-260, 9 VAC 5-60-100, 40 CFR 63.745)
11. **HAP Content** - The HAP content of coatings to PNTS-124 shall not exceed the following limits:  
Primers: 2.9 lbs/gallon (less water) as applied  
Topcoats: 3.5 lbs/gallon (less water) as applied.  
(9 VAC 5-80-1180, 9 VAC 5-50-260, 9 VAC 5-60-100, 40 CFR 63.745)

12. **Emission Limits** - Emissions from the operation of the helicopter paint/depaint facility shall not exceed the limits specified below:

Particulate Matter	5.6 lbs/hr	0.5 tons/yr
PM-10	5.6 lbs/hr	0.5 tons/yr
Volatile Organic Compounds	18.9 lbs/hr	1.7 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 3, 4, 9, 10, 11, and 14.  
(9 VAC 5-50-260)

13. **Visible Emission Limit** - Visible emissions from the paint booth (PNTS-124) shall not exceed 5 percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.  
(9 VAC 5-50-80 and 9 VAC 5-50-260)

#### **RECORDS**

14. **On Site Records** - The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Tidewater Regional Office. These records shall include, but are not limited to:
- Monthly and annual throughput of coatings (in gallons) for PNTS-124. Annual throughput shall be calculated monthly as the sum of each consecutive 12-month period.
  - Material Safety Data Sheets (MSDS) or other vendor information showing VOC content and HAP content for each coating used.
  - Records of control device observations and visible emissions checks, as required by conditions 6 and 7.
  - Records as necessary to ensure compliance with the requirements of 40 CFR 63 Subpart GG.

These records shall be available for inspection by the DEQ and shall be current for the most recent five years.  
(9 VAC 5-50-50)

15. **Testing/Monitoring Ports** - The permitted facility shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. Test ports shall be provided when requested at the appropriate locations.  
(9 VAC 5-50-30 F)

## **NOTIFICATIONS**

16. **Initial Notifications** - The permittee shall furnish written notification to the Tidewater Regional Office:
- a. The actual date on which construction of the helicopter paint/depaint facility commenced within 30 days after such date.
  - b. The actual start-up date of the helicopter paint/depaint facility within 15 days after such date.

Copies of the written notification referenced in items a and b above are to be sent to:

Associate Director  
Office of Air Enforcement (3AP10)  
U.S. Environmental Protection Agency  
Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029.

(9 VAC 5-50-50)

## **GENERAL CONDITIONS**

17. **Permit Invalidation** - This permit to construct the helicopter paint/depaint facility shall become invalid, unless an extension is granted by the DEQ, if:
- a. A program of continuous construction is not commenced before the latest of the following:
    - i. 18 months from the date of this permit;
    - ii. Nine months from the date that the last permit or other authorization was issued from any other governmental agency;
    - iii. Nine months from the date of the last resolution of any litigation concerning any such permits or authorization; or
  - b. A program of construction is discontinued for a period of 18 months or more, or is not completed within a reasonable time, except for a DEQ approved period between phases of a phased construction project.

(9 VAC 5-80-1210)

18. **Right of Entry** - The permittee shall allow authorized local, state, and federal representatives, upon the presentation of credentials:
- a. To enter upon the permittee's premises on which the facility is located or in which any records are required to be kept under the terms and conditions of this permit;
  - b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit or the State Air Pollution Control Board Regulations;
  - c. To inspect at reasonable times any facility, equipment, or process subject to the terms and conditions of this permit or the State Air Pollution Control Board Regulations; and

d. To sample or test at reasonable times.

For purposes of this condition, the time for inspection shall be deemed reasonable during regular business hours or whenever the facility is in operation. Nothing contained herein shall make an inspection time unreasonable during an emergency.

(9 VAC 5-170-130)

**19. Notification for Control Equipment Maintenance** - The permittee shall furnish notification to the Tidewater Regional Office of the intention to shut down or bypass, or both, air pollution control equipment for necessary scheduled maintenance, which results in excess emissions for more than one hour, at least 24 hours prior to the shutdown. The notification shall include, but is not limited to, the following information:

- a. Identification of the air pollution control equipment to be taken out of service, as well as its location, and registration number;
- b. The expected length of time that the air pollution control equipment will be out of service;
- c. The nature and quantity of emissions of air pollutants likely to occur during the shutdown period;
- d. Measures that will be taken to minimize the length of the shutdown or to negate the effect of the outage.

(9 VAC 5-20-180 B)

**20. Notification for Facility or Control Equipment Malfunction** - The permittee shall furnish notification to the Tidewater Regional Office by facsimile transmission, telephone or telegraph, of malfunctions of the affected facility or related air pollution control equipment that may cause excess emissions for more than one hour. Such notification shall be made as soon as practicable but not later than four daytime business hours after the malfunction is discovered. The permittee shall provide a written statement, within two weeks of discovery of the malfunction, giving all pertinent facts, including the estimated duration of the breakdown. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the permittee shall notify «Region» in writing.

(9 VAC 5-20-180 C)

**21. Violation of Ambient Air Quality Standard** - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.

(9 VAC 5-20-180 D)

**22. Maintenance/Operating Procedures** - The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment, monitoring devices, and process equipment which affect such emissions:

- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.
- b. Maintain an inventory of spare parts.
- c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

- d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.

(9 VAC 5-50-20 E)

**23. Permit Suspension/Revocation** - This permit may be suspended or revoked if the permittee:

- a. Knowingly makes material misstatements in the application for this permit or any amendments to it;
- b. Fails to comply with the conditions of this permit;
- c. Fails to comply with any emission standards applicable to the equipment listed in Condition 2;
- d. Causes emissions from this facility which result in violations of, or interferes with the attainment and maintenance of, any ambient air quality standard;
- e. Fails to operate this facility in conformance with any applicable control strategy, including any emission standards or emission limitations, in the State Implementation Plan in effect on the date that the application for this permit is submitted;
- f. Fails to construct or operate this facility in accordance with the application for this permit or any amendments to it; or
- g. Allows the permit to become invalid.

(9 VAC 5-80-1210)

**24. Change of Ownership** - In the case of a transfer of ownership of a stationary source, the new owner shall abide by any current permit issued to the previous owner. The new owner shall notify the Tidewater Regional Office of the change of ownership within 30 days of the transfer.

(9 VAC 5-80-1240)

**25. Registration/Update** - Annual requirements to fulfill legal obligations to maintain current stationary source emissions data will necessitate a prompt response by the permittee to requests by the DEQ or the Board for information to include, as appropriate: process and production data; changes in control equipment; and operating schedules. Such requests for information from the DEQ will either be in writing or by personal contact. The availability of information submitted to the DEQ or the Board will be governed by applicable provisions of the Freedom of Information Act, §§ 2.2-3700 through 2.2-3714 of the Code of Virginia, § 10.1-1314 (addressing information provided to the Board) of the Code of Virginia, and 9 VAC 5-170-60 of the State Air Pollution Control Board Regulations. Information provided to federal officials is subject to appropriate federal law and regulations governing confidentiality of such information.

(9 VAC 5-170-60 and 9 VAC 5-20-160)

**26. Permit Copy** - The permittee shall keep a copy of this permit on the premises of the facility to which it applies.

(9 VAC 5-170-160)



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# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

TIDEWATER REGIONAL OFFICE

5636 Southern Boulevard, Virginia Beach, Virginia 23462

(757) 518-2000 Fax (757) 518-2103

[www.deq.virginia.gov](http://www.deq.virginia.gov)

L. Preston Bryant, Jr.  
Secretary of Natural Resources

David K. Paylor  
Director

Francis L. Daniel  
Regional Director

June 25, 2007

Sean S. Heaney  
Director  
Technical Support Department  
Department of the Navy  
Commander, Navy Region, Mid-Atlantic  
1510 Gilbert Street  
Norfolk, Virginia 23511-2737

Location: Norfolk  
Registration No.: 60941

Dear Mr. Heaney:

Attached is a modification to the New Source Review permit dated May 19, 1999 to amend and operate a naval base in accordance with the provisions of the Virginia Regulations for the Control and Abatement of Air Pollution. This modified permit supersedes the permit dated May 19, 1999. The Department of Environmental Quality (DEQ) deemed the application complete on June 7, 2007.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and/or civil charges. Please read all permit conditions carefully.

This permit approval to amend and operate shall not relieve Norfolk Naval Base of the responsibility to comply with all other local, state, and federal permit regulations.

The Board's Regulations as contained in Title 9 of the Virginia Administrative Code 5-170-200 provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this case decision notice was mailed or delivered to you. 9 VAC 5-170-200 provides that you may request direct consideration of the decision by the Board if the Director of the DEQ made the decision. Please consult the relevant regulations for additional requirements for such requests.

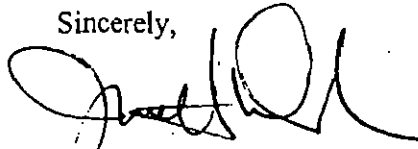
As provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal of this decision by filing a Notice of Appeal with:

David K. Paylor, Director  
Department of Environmental Quality  
P. O. Box 1105  
Richmond, VA 23218-1105

If this permit was delivered to you by mail, three days are added to the thirty-day period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for information on the required content of the Notice of Appeal and for additional requirements governing appeals from decisions of administrative agencies.

If you have any questions concerning this permit, please contact Linda Lightfoot at (757) 518-2005.

Sincerely,



Jane A. Workman  
Air Permit Manager

jaw/lkl/minor permits/2007\_min/60941\_023\_07\_nsrmod.doc

Attachment: Permit

cc: Director, OAPP (electronic file submission)  
Manager, Data Analysis (electronic file submission)  
Chief, Air Enforcement Branch (3AP13), U.S. EPA, Region III  
Manager/Inspector, DEQ Air Compliance





# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

TIDEWATER REGIONAL OFFICE

5636 Southern Boulevard, Virginia Beach, Virginia 23462

(757) 518-2000 Fax (757) 518-2103

[www.deq.virginia.gov](http://www.deq.virginia.gov)

L. Preston Bryant, Jr.  
Secretary of Natural Resources

David K. Paylor  
Director

Francis L. Daniel  
Regional Director

### STATIONARY SOURCE PERMIT TO MODIFY AND OPERATE

**This permit includes designated equipment subject to  
New Source Performance Standards (NSPS).**

This permit supersedes the permit dated May 19, 1999.

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia  
Regulations for the Control and Abatement of Air Pollution,

Commander, Navy Region, Mid-Atlantic (CNRMA)

Attn: Code N457

1510 Gilbert Street

Norfolk, VA 23511

Registration No.: 60941

is authorized to modify and operate a

naval base

located at

Norfolk Naval Base

Sewells Point

Norfolk, Virginia

in accordance with the Conditions of this permit.

Approved on

June 25, 2007.

A handwritten signature in cursive script that reads "Francis L. Daniel".  
Francis L. Daniel

Permit consists of 15 pages.  
Permit Conditions 1 to 46.

## INTRODUCTION

1. This permit approval is based on the permit application dated November 8, 1991, January 30, 2007, and February 16, 2007, including amendment information dated April 1, 1992, April 3, 1992, April 27, 1992, April 28, 1992, June 1, 1992, June 9, 1992, June 18, 1992, June 23, 1992, July 13, 1992, July 15, 1992, July 16, 1992, July 20, 1992, February 9, 1993, August 3, 1993, September 15, 1993, September 27, 1993, October 18, 1993, February 7, 1994, February 17, 1994, March 3, 1994, March 24, 1994, August 11, 1997, October 2, 1997, August 3, 1998, February 18, 1999, March 12, 2007, April 5, 2007, May 3, 2007, May 4, 2007, and June 7, 2007; and stack test results dated July 17-18, 1991. Any changes in the permit application specifications or any existing facilities which alter the impact of the facility on air quality may require a permit. Failure to obtain such a permit prior to construction may result in enforcement action.

Words or terms used in this permit shall have meanings as provided in 9 VAC 5-10-10 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution. The regulatory reference or authority for each condition is listed in parentheses () after each condition.

Annual requirements to fulfill legal obligations to maintain current stationary source emissions data will necessitate a prompt response by the permittee to requests by the DEQ or the Board for information to include, as appropriate: process and production data; changes in control equipment; and operating schedules. Such requests for information from the DEQ will either be in writing or by personal contact.

The availability of information submitted to the DEQ or the Board will be governed by applicable provisions of the Freedom of Information Act, § 2.2-3700 through 2.2-3714 of the Code of Virginia, § 10.1-1314 (addressing information provided to the Board) of the Code of Virginia, and 9 VAC 5-170-60 of the State Air Pollution Control Board Regulations. Information provided to federal officials is subject to appropriate federal law and regulations governing confidentiality of such information.

## PROCESS REQUIREMENTS

### 2. Equipment List - Equipment at this facility consists of the following:

Equipment permitted prior to the date of this permit				
Reference No.	Equipment Description	Rated Capacity	Federal Requirements	Original Permit Date
BOIL-044 (#25) BOIL-045 (#26) BOIL-046 (#27)	Natural gas/distillate oil-fired boilers, each with multicyclone and low-NO <sub>x</sub> burner, located in Building Z-312	205.8 mmBtu/hr (natural gas) or 196.5 mmBtu/hr (distillate oil), each	40 CFR 60, Subpart Db	September 8, 1992; superseded by May 19, 1999 permit
BOIL-006	Natural gas-fired boiler with a low-NO <sub>x</sub> burner, located at Building NH-202	94.8 mmBtu/hr	Not applicable	May 19, 1999
BOIL-027 (#59) BOIL-028 (#60) BOIL-029 (#61) BOIL-030 (#62)	Boilers with the capability of firing natural gas, distillate oil, residual oil, Fuel Oil Reclaimed (FOR), Navy Special Fuel Oil (NSFO), Diesel Fuel Marine (DFM), and JP-5 fuel, with multicyclone; located in Building P-1	125 mmBtu/hr, each	Not applicable	May 19, 1999
BOIL-031 (#55) BOIL-032 (#56) BOIL-033 (#57)	Boilers with the capability of firing residual oil, distillate oil, Fuel Oil Reclaimed (FOR), Navy Special Fuel Oil (NSFO), Diesel Fuel Marine (DFM), and JP-5, with multicyclone; located in Building P-1	82 mmBtu/hr, each	Not applicable	May 19, 1999
BOIL-034 (#58)	Boiler with the capability of firing residual oil, distillate oil, Fuel Oil Reclaimed (FOR), Navy Special Fuel Oil (NSFO), Diesel Fuel Marine (DFM), and JP-5 fuel; located in Building P-1	235 mmBtu/hr	Not applicable	May 19, 1999
BOIL-042 BOIL-043	Boilers with the capability of firing distillate oil, residual oil (No. 4), Fuel Oil Reclaimed (FOR), Navy Special Fuel Oil (NSFO), Diesel Fuel Marine (DFM), and JP-5 fuel, with multicyclone; located in Building SP-85	95 mmBtu/hr, each	Not applicable	May 19, 1999
ICGF-106 ICGF-107	Diesel emergency generators; located in Building P-1	1,600 kilowatts, each	Not applicable	September 8, 1992; superseded by May 19, 1999 permit
ICGF-162	Diesel emergency generator; located in Building Z-312	1,500 kilowatts	Not applicable	March 7, 1994; superseded by May 19, 1999 permit
TNKA-136 TNKA-137 TNKA-180	Vertical above-ground fixed roof diesel storage tanks	874,564 gallons, combined		May 19, 1999

Specifications included in the permit under this Condition are for informational purposes only and do not form enforceable terms or conditions of the permit.  
(9 VAC 5-80-1180 D 3)

3. **Emission Controls** -- Particulate Matter emissions from each boiler (Ref. Nos. BOIL-044, BOIL-045, and BOIL-046) shall be controlled by multicyclones. The multicyclones shall be provided with adequate access for inspection and shall be in operation when the boilers are operating. An annual inspection shall be conducted by the permittee on each multicyclone to ensure structural integrity.  
(9 VAC 5-80-1180 and 9 VAC 5-50-260)
4. **Emission Controls** -- Nitrogen Oxide emissions from each natural gas/distillate oil-fired boiler (Ref. Nos. BOIL-006, BOIL-044, BOIL-045, and BOIL-046) shall be controlled by low-NO<sub>x</sub> burners with internal or external flue gas recirculation. The low-NO<sub>x</sub> burners shall be provided with adequate access for inspection and shall be in operation when the boilers are operating.  
(9 VAC 5-80-1180 and 9 VAC 5-50-260)
5. **Emission Controls** -- Carbon Monoxide emissions from each natural gas/distillate oil-fired boiler (Ref. Nos. BOIL-044, BOIL-045, and BOIL-046) shall be controlled by good combustion practices.  
(9 VAC 5-80-1180 and 9 VAC 5-50-260)
6. **Monitoring Devices** - The boilers (Ref. Nos. BOIL-044, BOIL-045, and BOIL-046) shall be equipped with a continuous opacity monitor (COM) to continuously measure and record the opacity of particulate matter emitted from each boiler. Each monitor shall be maintained and calibrated in accordance with 40 CFR, Part 60, §60.48b, paragraph (a). A 30-day notification prior to the demonstration of continuous monitoring system performance and subsequent notification requirements are to be submitted to the Director, Tidewater Regional Office.  
(9 VAC 5-80-1180 and 9 VAC 5-50-40)
7. **Monitoring Devices** - The boilers (Ref. Nos. BOIL-044, BOIL-045, and BOIL-046) shall be equipped with a continuous emission monitor (CEM) to continuously measure and record the concentration of nitrogen oxide emitted from each boiler. Each monitor shall be maintained and calibrated in accordance with 40 CFR, Part 60, §60.48b, paragraph (b), (c), (d), (e)(2), (e)(3), (f), and (g)(1). A 30-day notification prior to the demonstration of continuous monitoring system performance and subsequent notification requirements are to be submitted to the Director, Tidewater Regional Office. The NO<sub>x</sub> CEM is a direct compliance monitor subject to the auditing and reporting requirements of 40 CFR 60, Appendix F.  
(9 VAC 5-80-1180 and 9 VAC 5-50-40)

## **OPERATING LIMITATIONS**

8. **Emergency Generator Use** - The emergency generators (Ref. Nos. ICGF-106, ICGF-107, and ICGF-162) shall be used **ONLY** for providing power at the location during interruption of service from the normal power supplier and for periodic testing.  
(9 VAC 5-80-1180)
9. **Emergency Generator Use** - Each emergency generator (Ref. Nos. ICGF-106, ICGF-107, and ICGF-162) shall not operate more than 500 hours per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9 VAC 5-80-1180)
10. **Fuel** - The approved fuel for the emergency generators (Ref. Nos. ICGF-106, ICGF-107, and ICGF-162) is distillate oil. A change in the fuel may require a permit to modify and operate.  
(9 VAC 5-80-1180)
11. **Fuel** - The approved fuels for the boilers (Ref. Nos. BOIL-044, BOIL-045, and BOIL-046) are distillate oil and natural gas. A change in the fuels may require a permit to modify and operate.  
(9 VAC 5-80-1180)
12. **Fuel** - The approved fuel for the boiler (Ref. No. BOIL-006) is natural gas. A change in the fuel may require a permit to modify and operate.  
(9 VAC 5-80-1180)
13. **Fuel** - The approved fuels for the boilers (Ref. Nos. BOIL-027, BOIL-028, BOIL-029, and BOIL-030) are natural gas, distillate oil, residual oil, Fuel Oil Reclaimed (FOR), Navy Special Fuel Oil (NSFO), Diesel Fuel Marine (DFM), and JP-5. A change in the fuels may require a permit to modify and operate.  
(9 VAC 5-80-1180)
14. **Fuel** - The approved fuels for the boilers (Ref. Nos. BOIL-031, BOIL-032, BOIL-033, and BOIL-034) are distillate oil, residual oil, Fuel Oil Reclaimed (FOR), Navy Special Fuel Oil (NSFO), Diesel Fuel Marine (DFM), and JP-5. A change in the fuels may require a permit to modify and operate.  
(9 VAC 5-80-1180)
15. **Fuel** - The approved fuels for the boilers (Ref. Nos. BOIL-042 and BOIL-043) are distillate oil, residual oil (No. 4 only), Fuel Oil Reclaimed (FOR), Navy Special Fuel Oil (NSFO), Diesel Fuel Marine (DFM), and JP-5. A change in the fuels may require a permit to modify and operate.  
(9 VAC 5-80-1180)

16. **Fuel Throughput** - The boilers (Ref. Nos. BOIL-044, BOIL-045, and BOIL-046) shall consume no more than 10,734,000 gallons of distillate oil per year, or  $1,435.0 \times 10^6$  cubic feet of natural gas per year, each calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months. When both distillate oil and natural gas are consumed in the same year, consumption shall be limited by the following:

$$X = (10,734,000 \text{ gal/yr}) - ((0.00748) \times (\text{ft}^3 \text{ natural gas}))$$

$$Y = (1,435.0 \times 10^6 \text{ ft}^3/\text{yr}) - ((133.65) \times (\text{gallons distillate oil}))$$

where

X = gallons per year of distillate oil consumed

Y = cubic feet per year of natural gas consumed

(9 VAC 5-80-1180)

17. **Fuel** - The distillate oil to be burned in the generators (Ref. Nos. ICGF-106, ICGF-107, and ICGF-162) and boilers (Ref. Nos. BOIL-044, BOIL-045, and BOIL-046) shall meet the specification below:

DISTILLATE OIL which meets the ASTM D396 specification for numbers 1 or 2 fuel oil

Maximum sulfur content per shipment: 0.20%

(9 VAC 5-80-1180 and 9 VAC 5-50-410)

18. **Fuel Certification** - The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:
- a. The name of the fuel supplier;
  - b. The date on which the distillate oil was received;
  - c. The quantity of distillate oil delivered in the shipment;
  - d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications (ASTM D396) for number 2 fuel oil; and,
  - e. The maximum sulfur content of the distillate oil.

Fuel sampling and analysis, independent of that used for certification, as may be periodically required or conducted by DEQ may be used to determine compliance with the fuel specifications stipulated in Condition number 17. Exceedance of these specifications may be considered credible evidence of the exceedance of emission limits.

(9 VAC 5-80-1180 and 9 VAC 5-50-410)

19. **Requirements by Reference** - Except where this permit is more restrictive than the applicable requirement, the NSPS equipment as described in Condition 2 (Ref. Nos. BOIL-044, BOIL-045, and BOIL-046) shall be operated in compliance with the requirements of 40 CFR 60, Subpart Db.  
(9 VAC 5-80-1180, 9 VAC 5-50-400, and 9 VAC 5-50-410)
20. **Fuel Certification** - The permittee shall obtain a certification from the fuel supplier with each shipment of fuel used in the calculations in Conditions 25 and 27. Each fuel supplier certification shall include the name of the fuel supplier, ASTM method(s) used for fuel sampling, and a statement certifying the sulfur content of the fuel.  
(9 VAC 5-80-1180)

### **EMISSION LIMITS**

21. **Emission Limits** - Emissions from the operation of the boilers (Ref. Nos. BOIL-044, BOIL-045, and BOIL-046) shall not exceed the limits specified below:

	<u>lbs/hr, each boiler</u>	<u>tons/yr, combined</u>
Particulate Matter	1.3 lbs/hr	4.8 tons/yr
PM-10	1.3 lbs/hr	4.8 tons/yr
Sulfur Dioxide	40.1 lbs/hr	152.4 tons/yr
Nitrogen Oxides (as NO <sub>2</sub> )	0.1 lb/million Btu	74.6 tons/yr
Carbon Monoxide	20.6 lbs/hr	74.6 tons/yr
Volatile Organic Compounds	1.0 lbs/hr	3.7 tons/yr
Beryllium	0.00015 lb/hr	0.00060 ton/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 3, 4, 5, 6, 7, 11, 16, 17, 30, and 33.  
(9 VAC 5-80-1180 and 9 VAC 5-50-260)

22. **Emission Limits** - Emissions from the operation of the emergency generators (Ref. Nos. ICGF-106, ICGF-107, and ICGF-162) shall not exceed the limits specified below:

	<u>lbs/hr, each generator</u>	<u>tons/yr, combined</u>
Particulate Matter	0.8 lbs/hr	0.6 tons/yr
PM-10	0.8 lbs/hr	0.6 tons/yr
Sulfur Dioxide	3.2 lbs/hr	2.4 tons/yr
Nitrogen Oxides (as NO <sub>2</sub> )	51.4 lbs/hr	38.6 tons/yr
Carbon Monoxide	9.3 lbs/hr	7.0 tons/yr
Volatile Organic Compounds	1.6 lbs/hr	1.2 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 9, 10, 17, 31, 32, and 33.  
(9 VAC 5-80-1180 and 9 VAC 5-50-260)

23. **Emission Limits** - Emissions from the operation of each boiler (Ref. Nos. BOIL-006, BOIL-027 through BOIL-034, BOIL-042, and BOIL-043) shall not exceed the limits specified below:

Sulfur Dioxide                      2.64 lbs/mmBtu

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 3, 4, 12, 13, 14, 15, and 33.  
(9 VAC 5-80-1180 and 9 VAC 5-50-260)

24. **Emission Limits** - Combined emissions from the operation of the boilers (Ref. Nos. BOIL-044, BOIL-045, and BOIL-046), the emergency generators (Ref. Nos. ICGF-106, ICGF-107, and ICGF-162), and the boilers (Ref. Nos. BOIL-006, BOIL-027 through BOIL-034, BOIL-042, and BOIL-043) shall not exceed the limits specified below:

Sulfur Dioxide ( $E_{SO_2}$ )	3,104.8 tons/yr
Nitrogen Oxides (as $NO_2$ ) ( $E_{NO_x}$ )	650.1 tons/yr
Carbon Monoxide ( $E_{CO}$ )	154.7 tons/yr
Beryllium ( $E_{Be}$ )	0.0075 ton/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 26, 27, 28, 29, and 35.  
(9 VAC 5-80-1180 and 9 VAC 5-50-260)

25. **Emission Limits** - The following symbols as used in Conditions 26, 27, 28, and 29 shall have the meanings given to them below:

Symbol	Meaning
R1	Gallons of NSFO, No. 4 fuel oil, and No. 6 fuel oil consumed in BOIL-031, BOIL-032, BOIL-033, BOIL-042, and BOIL-043
R2	Gallons of NSFO, No. 4 fuel oil, and No. 6 fuel oil consumed in BOIL-034 and BOIL-030
R3	Gallons of NSFO, No. 4 fuel oil, and No. 6 fuel oil consumed in BOIL-027, BOIL-028, and BOIL-029



D1	Gallons of JP-5, No. 2 fuel oil, DFM, and FOR consumed in BOIL-031, BOIL-032, BOIL-033, BOIL-034, BOIL-027, BOIL-028, BOIL-029, BOIL-030, BOIL-042, and BOIL-043
D2	Gallons of No. 2 fuel oil consumed in BOIL-044, BOIL-045, and BOIL-046
D3	Gallons of No. 2 fuel oil consumed in emergency generators (ICGF-106, ICGF-107, and ICGF-162)
G1	Standard cubic feet of natural gas consumed in BOIL-027, BOIL-028, BOIL-029, and BOIL-006
G2	Standard cubic feet of natural gas consumed in BOIL-044, BOIL-045, and BOIL-046
a	Percent sulfur content by weight of JP-5
b	Percent sulfur content by weight of No. 2 fuel oil
c	Percent sulfur content by weight of DFM
d	Percent sulfur content by weight of FOR
e	Percent sulfur content by weight of NSFO
f	Percent sulfur content by weight of No. 4 fuel oil
g	Percent sulfur content by weight of No. 6 fuel oil

(9 VAC 5-80-1180)

26. **Emission Limits** – Using the key in Condition 25, the permittee shall calculate the total tons of  $\text{NO}_x$  emissions, equivalent ( $E_{\text{NO}_x}$ ), per week, and the sum of each 52 week period as follows:

$$E_{\text{NO}_x} = (2.75 \times 10^{-5})(R1) + (3.35 \times 10^{-5})(R2) + (1.67 \times 10^{-5})(R3) + (1.00 \times 10^{-5})(D1) + (6.95 \times 10^{-6})(D2) + (2.34 \times 10^{-4})(D3) + (5.69 \times 10^{-3})(G1) + (4.16 \times 10^{-8})(G2)$$

Compliance for the 52-week period shall be demonstrated weekly by adding the total for the most recently completed week to the individual weekly totals for the preceeding 51 weeks.  
(9 VAC 5-80-1180)

27. **Emission Limits** – Using the key in Condition 25, the permittee shall calculate the total tons of  $\text{SO}_2$  emissions, equivalent ( $E_{\text{SO}_2}$ ), per week, and the sum of each 52 week period as follows:

$$E_{\text{SO}_2} = (7.85 \times 10^{-5})[(R1+R2+R3)_{\text{NSFO}}(e) + (R1+R2+R3)_{\text{No. 4}}(f) + (R1+R2+R3)_{\text{No. 6}}(g)] + (7.10 \times 10^{-5})[(D1)_{\text{JP-5}}(a) + (D1)_{\text{No. 2}}(b) + (D1)_{\text{DFM}}(c) + (D1)_{\text{FOR}}(d)] + (1.42 \times 10^{-5})(D2) + (1.45 \times 10^{-5})(D3) + (3.00 \times 10^{-10})(G1 + G2)$$

Compliance for the 52-week period shall be demonstrated weekly by adding the total for the most recently completed week to the individual weekly totals for the preceeding 51 weeks.  
(9 VAC 5-80-1180)

28. **Emission Limits** – Using the key in Condition 25, the permittee shall calculate the total tons of CO emissions, equivalent ( $E_{CO}$ ), per week, and the sum of each 52 week period as follows:

$$E_{CO} = (2.50 \times 10^{-6})(R1+R2+R3+D1) + (6.95 \times 10^{-6})(D2) + (4.23 \times 10^{-5})(D3) + (2.00 \times 10^{-8})(G1) + (5.20 \times 10^{-8})(G2)$$

Compliance for the 52-week period shall be demonstrated weekly by adding the total for the most recently completed week to the individual weekly totals for the preceeding 51 weeks.  
(9 VAC 5-80-1180)

29. **Emission Limits** – Using the key in Condition 25, the permittee shall calculate the total tons of Beryllium emissions, equivalent ( $E_{Be}$ ), per week, and the sum of each 52 week period as follows:

$$E_{Be} = (3.02 \times 10^{-10})(R1+R2+R3) + (1.74 \times 10^{-10})(D1+D3) + (5.31 \times 10^{-11})(D2)$$

Compliance for the 52-week period shall be demonstrated weekly by adding the total for the most recently completed week to the individual weekly totals for the preceeding 51 weeks.  
(9 VAC 5-80-1180)

30. **Visible Emission Limit** - Visible emissions from the boilers (Ref. Nos. BOIL-044, BOIL-045, and BOIL-046) shall not exceed ten (10) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed twenty (20) percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.  
(9 VAC 5-80-1180, 9 VAC 5-50-80, 9 VAC 5-50-260, and 9 VAC 5-50-410)

31. **Visible Emission Limit** - Visible emissions from the emergency generator (Ref. No. ICGF-162) shall not exceed ten (10) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed twenty (20) percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.  
(9 VAC 5-80-1180, 9 VAC 5-50-80, and 9 VAC 5-50-260)

32. **Visible Emission Limit** - Visible emissions from the emergency generators (Ref. Nos. ICGF-106 and ICGF-107) shall not exceed twenty (20) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed thirty (30) percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.  
(9 VAC 5-80-1180 and 9 VAC 5-50-80)

## **RECORDS AND REPORTING**

**33. On Site Records** - The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

- a. The monthly throughput of natural gas and the daily throughput of No. 2 fuel for the boilers (Ref. Nos. BOIL-044, BOIL-045, and BOIL-046).
- b. The annual throughput of natural gas and No. 2 fuel, each, for the boilers (Ref. Nos. BOIL-044, BOIL-045, and BOIL-046), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- c. The annual hours of operation for each emergency generator (Ref. Nos. ICGF-106, ICGF-107, and ICGF-162), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- d. All fuel supplier certifications.
- e. All emission calculations referenced in Conditions 26, 27, 28, and 29.
- f. Records of annual multicyclone inspections referenced in Condition 3
- g. Records required in accordance with 40 CFR, Part 60, §60.49b, paragraphs (d), (f), and (g).
- h. Records of scheduled and unscheduled maintenance, and operator training.

These records shall be available for inspection by the DEQ and shall be current for the most recent five years.

(9 VAC 5-80-1180 and 9 VAC 5-50-50)

**34. Semi-Annual Reports Fuel Reports** - The permittee shall submit fuel quality reports to the Tidewater Regional Office within 30 days after the end of each semi-annual period for the fuel burned in the boilers (Ref. Nos. BOIL-044, BOIL-045, and BOIL-046). If no shipments of distillate oil were received during the semi-annual period, the semi-annual report shall consist of the dates included in the semi-annual period and a statement that no oil was received during the semi-annual period. If distillate oil was received during the semi-annual period, the reports shall include:

- a. Dates included in the semi-annual period,
- b. A copy of all fuel supplier certifications for all shipments of distillate oil received during the semi-annual period or a semi-annual summary from each fuel supplier that includes the information specified in Condition 18 for each shipment of distillate oil, and

- c. A signed statement from the owner or operator of the facility that the fuel supplier certifications or summaries of fuel supplier certifications represent all of the distillate oil burned or received at the facility.

One copy of the semi-annual report shall be submitted to:

Associate Director  
Office of Air Enforcement (3AP10)  
U. S. Environmental Protection Agency  
Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

(9 VAC 5-80-1180, 9 VAC 5-50-50, and 40 CFR 60.48c)

35. **Semi-Annual Emissions Reports** - The permittee shall submit reports of weekly NO<sub>2</sub>, SO<sub>2</sub>, CO, and Beryllium emissions, equivalent (E<sub>NO2</sub>, E<sub>SO2</sub>, E<sub>CO</sub>, and E<sub>Be</sub>), to the Director, Tidewater Regional Office, within 30 days after the end of each semi-annual calendar period. Upon generation of 52 weeks of oil purchase and sulfur content data, the permit shall also include in the semi-annual reports the total NO<sub>2</sub>, SO<sub>2</sub>, CO, and Beryllium emissions, equivalent, per 52 week period, as recalculated each week of the quarter (calculated by addition the total of the most recently completed week with the preceding 51 weeks). The details of the reports are to be arranged with the Director, Tidewater Regional Office.  
(9 VAC 5-50-30 F and 9 VAC 5-80-1180)

36. **Excess Emission Reports** - The permittee shall submit excess emission reports for the boilers (Ref. Nos. BOIL-044, BOIL-045, and BOIL-046) in accordance with the procedures of 40 CFR, Part 60, §60.49b, paragraph (h) and/or (i), for the following:
- All six-minute periods when opacity exceeds 10%.
  - All thirty-day rolling averages when NO<sub>x</sub> exceeds 0.10 lb/million Btu.
- The report shall be submitted to the Director, Tidewater Regional Office, within 30 days after the end of each calendar quarter or semiannual period, whichever applies, beginning within 120 days of completion of the initial opacity and nitrogen oxides continuous emission monitor performance tests. The reports shall contain but are not limited to the total source operating time, total monitor operating time, calendar date, beginning and ending time periods and magnitudes of excess emissions, the reasons for excess emissions and corrective actions taken, beginning and ending time periods of monitor downtime, reasons for monitor downtime and corrective action taken, identification of periods when data was excluded from the report and the applicable reasons, daily calibration drift test results, the date and results of audits performed during the quarter, and the F-factor used in calculating NO<sub>x</sub> emissions.  
(9 VAC 5-80-1180 and 9 VAC 5-50-410)

37. **Emissions Testing** - The facility shall be constructed and installed so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. Sampling ports shall be provided when requested at the appropriate locations and safe sampling platforms and access shall be provided.  
(9 VAC 5-50-30 F and 9 VAC 5-80-1180)

#### **GENERAL CONDITIONS**

38. **Permit Invalidity** - This permit to modify and operate shall become invalid, unless an extension is granted by the DEQ, if:
- a. A program of continuous construction, reconstruction, or modification is not commenced within the latest of the following:
    - i. 18 months from the date of this permit;
    - ii. Nine months from the date that the last permit or other authorization was issued from any other governmental entity;
    - iii. Nine months from the date of the last resolution of any litigation concerning any such permits or authorization; or
  - b. A program of construction, reconstruction, or modification is discontinued for a period of 18 months or more, or is not completed within a reasonable time, except for a DEQ approved period between phases of a phased construction project.  
(9 VAC 5-80-1210)
39. **Permit Suspension/Revocation** - This permit may be suspended or revoked if the permittee:
- a. Knowingly makes material misstatements in the permit application or any amendments to it;
  - b. Fails to comply with the conditions of this permit;
  - c. Fails to comply with any emission standards applicable to a permitted emissions unit;
  - d. Causes emissions from the stationary source which result in violations of, or interfere with the attainment and maintenance of, any ambient air quality standard; or
  - e. Fails to operate in conformance with any applicable control strategy, including any emission standards or emission limitations, in the State Implementation Plan in effect at the time an application for this permit is submitted.  
(9 VAC 5-80-1210 F)

40. **Right of Entry** - The permittee shall allow authorized local, state, and federal representatives, upon the presentation of credentials:
- To enter upon the permittee's premises on which the facility is located or in which any records are required to be kept under the terms and conditions of this permit;
  - To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit or the State Air Pollution Control Board Regulations;
  - To inspect at reasonable times any facility, equipment, or process subject to the terms and conditions of this permit or the State Air Pollution Control Board Regulations; and
  - To sample or test at reasonable times.

For purposes of this condition, the time for inspection shall be deemed reasonable during regular business hours or whenever the facility is in operation. Nothing contained herein shall make an inspection time unreasonable during an emergency.

(9 VAC 5-170-130 and 9 VAC 5-80-1180)

41. **Maintenance/Operating Procedures** - At all times, including periods of start-up, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate the affected source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions. Records shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.  
(9 VAC 5-50-20 E and 9 VAC 5-80-1180 D)

42. **Record of Malfunctions** - The permittee shall maintain records of the occurrence and duration of any bypass, malfunction, shutdown or failure of the facility or its associated air pollution control equipment that results in excess emissions for more than one hour. Records shall include the date, time, duration, description (emission unit, pollutant affected, cause), corrective action, preventive measures taken and name of person generating the record.  
(9 VAC 5-20-180 J and 9 VAC 5-80-1180 D)

43. **Notification for Facility or Control Equipment Malfunction** - The permittee shall furnish notification to the Director, Tidewater Regional Office of malfunctions of the affected facility or related air pollution control equipment that may cause excess emissions for more than one hour, by facsimile transmission, telephone or telegraph. Such notification shall be made as soon as practicable but no later than four daytime business hours after the malfunction is discovered. The permittee shall provide a written statement giving all pertinent facts, including the estimated duration of the breakdown, within two weeks of discovery of the malfunction. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the permittee shall notify the Director, Tidewater Regional Office.  
(9 VAC 5-20-180 C and 9 VAC 5-80-1180)

44. **Violation of Ambient Air Quality Standard** - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.  
(9 VAC 5-20-180 f and 9 VAC 5-80-1180)
45. **Change of Ownership** - In the case of a transfer of ownership of a stationary source, the new owner shall abide by any current permit issued to the previous owner. The new owner shall notify the Director, Tidewater Regional Office of the change of ownership within 30 days of the transfer.  
(9 VAC 5-80-1240)
46. **Permit Copy** - The permittee shall keep a copy of this permit on the premises of the facility to which it applies.  
(9 VAC 5-80-1180)